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Summary of Meteorological Observations, Surface (SMOS) Glenview, Illinois	Reference report 1945-77
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- Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Glenview, Illinois.
- 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.

STATION 14	STATION NO ON SUMMARY 14855	Glenvi	Glenview, Illinois		14717UDE 42°	N,50	10NG1TUDE 87°50 W	STATION ELEV (FT.) 653	KNBU	WMO NUMBER	E S
		STAI	STATION LOCATION		NDN	ISTRU/	AND INSTRUMENTATION		HISTORY	,	
NUMBER OF BARD	8	A STROKE OF STREET	STATE OF STATE	TYPE	AT THIS LOCATION	ATION	ATITIOF	3011000	ELEVATION ABOVE MSL	BOVE WSL	088
LOCATION		Teneral Property	מבתמשיבוונים ביישונים מששנים ביישונים ב	STATION	FROM	10		200	1333	TYPE BAROMETER	YAC
1.	Weather	service office	office located in	Navy	1948	1964	42°05'N	87°50'W	945	Mercurial	
2.	Weather	operations building Weather service office	ing office	=	1964	1966	=	E	=	:	57
3.	:			=	1966	1975	2	:		2	24
la.	:		:	=	1963	1972	:	=	879	Aneroid	24
2a.	:	:		=	1972		:	=	=	=	24
NUMBER	R DATE		SURFACE WIND EQUIPMENT INFORMATION	UIPMENT INFORMA	ATION						
OF			LOCATION		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	IONAL EQUIPMENT,	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	36
1.	1948	Roof of operation	Roof of control tower atop operations building		Selsyn	Triple	77.8		(ML-3) met sta	-3) sta (AN/GMQ-14B)	(8)
2.	1954	Atop bui	Atop building #1, southeast	corner	=	:	47.0'		angur (ML-	.121)	
ë.	1958	Selsyn repla moved to NE 35 and 07-25	iced by Aerov section of , 3000'N of	ane and runways 17- weather	UMQ-5C	RD-108B	18.01	 Iransmissometer (AN/GMU-1U) Radar Recorder (RO 415/GMT) RVR computer (CV 2062/GMQ) Cloud height set (GMQ 13C) 	omerer (A order (RC ter (CV 2 ght set (2 11 1	(6)
4	1975	Office of runway 1	oillice Moved to 1030 feet ENE of weather office adjacent to taxiway, west runway 17-35	of weather way, west of	=	: (:				

NWSD, Federal Building Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- 2. All available data will be used for extreme values.
- Summarize (update) every five years.
- a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
- The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect occurrence of an occasional spurious value should not in itself be considered significant. Every effort COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- By month and annual, all hours and years combined.
- 2. By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

ail Occurrences of hail and small hail are included.

more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns. Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations may be reported in the same observation, the sums of the individual categories may exceed the percentage when one or more of the above obstructions to vision occurred. Since more than one type of obstruction total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction

Percentages The total number of observations may vary among tables within the same month and period. may not always equal 100.0 due to rounding practices. NOTE:

ATMOSPHERIC PHENOMENA

PART A

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than pertotal columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency observations and is presented by month and annual, all hours and years combined. of occurrences.

GLENVIEW, ILLINOIS 14855 STATION

73-77

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	21.9	22.6	24.5	27.1	27.7	26.5	23.9	20.02		24.3
DUST AND/OR SAND										
BLOWING	2.6	1.9	2.6	3.2	3.2	2.6	9.	1.3		2.3
SMOKE AND/OR HAZE	3.9	5.2	5.2	9.7	12.3	11.0	7.1	3.9		7.3
FOG	15.5	16.8	17.4	16.8	14.2	13.5	16.8	14.8		15.7
% OF OBS WITH PRECIP.	19.4	17.4	17.4	19.4	14.8	16.1	15.5	15.5		16.9
HAIL										
SNOW AND/OR SLEET	12.3	12.3	13.5	17.4	0.7	11.0	4.1	10.3		12.0
FREEZING RAIN &/OR DRIZZLE	1.9		9.	9.	9.		1.9			6.
RAIN AND/OR DRIZZLE	5.3	4.5	3.9	1.3	4.5	5.2	8.	5.2		4
THUNDER- STORMS	1.3	9.						1.3		4.
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1		
MONTH	NAU									TOTALS

14855 STATION

GLENVIEW, ILLINGIS

73-77

FEB

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

									 	,	
TOTAL NO. OF OBS.	141	141	141	141	141	141	141	141			1128
% OF OBS WITH OBST TO VISION	17.0	19.9	22.7	31.2	22.7	20.6	18.4	15.6			21.0
DUST AND/OR SAND											
BLOWING			1.4	2.1	1.4			.,		7	۲.
SMOKE AND/OR HAZE	5.0	8.7	3.5	12.8	12.8	9.2	7.8	2.8			7.5
FOG	12.1	14.2	18.4	16.3	6.6	12.1	11.3	12.1			13.3
% OF OBS WITH PRECIP.	16.3	20.6	18.4	19.9	14.9	17.0	12.8	16.3			17.0
HAIL											
SNOW AND/OR SLEET	13.5	14.9	14.9	17.0	10.0	12.8	6.6	12.8			13.3
FREEZING RAIN &/OR DRIZZLE		1.4	.7					1.			4.
RAIN AND/OR DRIZZLE	3.5	4.3	2.8	2.8	4.3	4.	2.8	4.3			3.6
THUNDER- STORMS											
HOURS (L.S.T.)	00	03	96	60	12	15	18	2.1			
MONTH	834										TOTALS

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GLENVIEW, ILLINOIS

STATION NAME

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UENCY	FROM
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PERCENTAGE FREQUENCY	CONDITIONS FROM

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAN	00		11.6		7.7		18.1	16.8	2.6			19.4	155
	03		12.3	9.	7.7		19.4	17.4	2.6	9.		20.0	155
	90	1.09	0.6		5.5		13.5	25.8	6.5	••		32.9	155
	60		7.1		5.2		12.3	18.7	13.5			32.3	155
	12	9.	11.6		2.6		14.2	14.8	11.6			25.8	155
	15		11.0		3.0		14.8	14.8	11.0			25.8	155
	18	9.	14.9		2.6		17.5	18.8	6.5			25.3	154
	21	2.6	16.8		7.1		21.9	20.6	2.6			23.2	155
TOTALS		10	11.8	.1	5.3		16.5	18.5	7.1	.2		25.6	1239

GLENVIEN, ILLINDIS 14855 STATION

73-77

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YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH HOURS STORMS STORMS AND RECEIVED AND RECEIVED WITH A STORMS AND RECEIVED AND										***************************************	-	 	
HOURS THUNDER. RAIN FREEZING SNOW AND OR SWITH FOG SWOKE SLOWING AND OR SWOWN SAND OR SWITH FOG SWOWN SAND OR SWOWN SAND OR SWITH FOG SWOWN SAND OR SWOWN SA	TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150				1200
HOURS THUNDER RAIN FREEING SNOW ALL OBS WITH FOC AND/OR SHOWING (L.S.T.) STORMS DRIZZLE SLEET ALCOLOGY HAIL OBS WITH FOC AND/OR SNOW STORMS DRIZZLE SLEET ALCOLOGY STORMS STORMS STORMS STORMS AND/OR RAIN &/OR STORMS STOR	% OF OBS WITH OBST TO VISION	6.9	16.7	25.3	19.3	14.7	12.7	10.7	10.7				14.9
HOURS THUNDER RAIN FREEZING SNOW HAIL OBS WITH FOG AND/OR BLOWN SNOW (L.S.T.) STORMS DRIZZIE DRIZZIE SNETZIE SNETZIE SNETZIE SNETZIE SNETZIE SNEZZIE S	DUST AND/OR SAND												
HOURS THUNDER RAIN FREEZING SNOW (LS.T.) STORMS DRIZZLE SLEET AND/OR HAIL OSS WITH FOG AND/OR (LS.T.) STORMS DRIZZLE DRIZZLE SLEET AND/OR HAIL OSS WITH FOG AND	BLOWING	•							•				
HOURS THUNDER RAIN FREEZING SNOW HAIL OBS WITH FG AND/OR RAIN &/OR ALBEOTO BRIZZLE DRIZZLE SLEET HAIL OBS WITH FG AND/OR AND/OR ALBEOTO BRIZZLE DRIZZLE BRIZZLE BRIZZL	SMOKE AND/OR HAZE	4.0	7.3	6.7		8.0		4.0	5.				
HOURS THUNDER. RAIN FREEZING SNOW HAIL OB SLETT STORMS DRIZZIE	FOG				10.0	6.7	5,3	6.0	. v				8
HOURS THUNDER. RAIN FREEZING SNOW (L.S.T.) STORMS DRIZZLE DRIZZLE SLEET 00	% OF OBS WITH PRECIP.		15.3	14.0	11.3	12.0	4	10.7	10.0				12.4
HOURS THUNDER- AND/OR RAIN GOR AND STORMS DRIZZLE DRIZZLE DRIZZLE SLE T T T T T T T T T T T T T T T T T T T	HAIL												
HOURS THUNDER- RAIN DRIZZIE 00 .7 10.0 03 2.0 12.7 06 .7 12.0 09 8.7 118 2.0 9.3 21 2.7 8.0 21 2.7 8.0	SNOW AND/OR SLEET	2.0	3.3	N	en .	2.7			2.0				2.6
HOURS THUNDER. AN (L.S.T.) STORMS DR AN (L.S.T.) STORMS DR AN (L.S.T.) DR 2.0 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	FREEZING RAIN &/OR DRIZZLE												
ноикз (I.S.T.) 00 03 04 06 09 12 . 15 . 15	RAIN AND/OR DRIZZLE	10.0	12.7	12.0	8	10.0	N	9.3	8.0				10.4
ноикз (I.S.T.) 00 03 04 06 09 12 . 15 . 15	THUNDER- STORMS	•	2.0	۲.				2.0					1.4
APR TOTALS		00	03	90	60		7	18	21				
	MONTH	APR											TOTALS

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WEATHER CONDITIONS

14835

STATION

GLENVIEW, ILLINOIS

73-77

MAY

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

	_		-						 	 	
TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	15.5	21.9	32.9	23.9	20.6	16.8	15.5	19.4			20.8
DUST AND/OR SAND						• 6					.1
BLOWING											
SMOKE AND/OR HAZE	3.2	5.8	4.4	11.0	11.0	7.1	5.2	6.5			7.4
FOG	12.3	16.1	25.8	13.3	7.6	9.0	10.3	12.9			13.7
% OF OBS WITH PRECIP.	0.6	7.7	6.4	10.3	9.7	10.3	0.7	11.0			9.7
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	0.6	7.7	7.6	10.3	7.6	10,3	9.7	11.0			9.7
THUNDER- STORMS	1.9	1.9	1.3		1.3	1.3	1.9	3.9			1.7
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1			
MONTH	MAY										TOTALS

14855

STATION

GLENVIEW, ILLINDIS

STATION NAME

73-77

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YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION	11.3	17,3	34.0	25,3	17,3	10.7	13.3	14.7			18.0
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	3.3	4.0	10.7	16.0	14.0	8.0	6.6	0.9			8.9
FOG	8.0	14.0	24.7	9.3	3,3	2.7	4.0	8.7			9.3
% OF OBS WITH PRECIP.	4.7	4.7	5.3	5.3	6.0	7.3	6.7	7.3			6.6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	4.7	4.7	8.3	5.5	0.9	7.3	6.7	7.3			5.9
THUNDER- STORMS	۲.	2.0	.,	1.3		0.4	0.9	5.3			2.5
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1			
MONTH	NOS										TOTALS

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GLENVIEW, ILLINDIS

14855 STATION

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	20.0	22.6	33,5	23.9	16.1	14.8	13.5	21.3			20.7
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	12,9	12.9	19.4	21.9	13.5	13.5	12.3	16.8			15.4
FOG	7.7	11.6	17.4	1.9	3.2	1.9	1.3	4.5			6.2
% OF OBS WITH PRECIP.	7.1	6.5	5.2	2.2	1.9	3.2	5.8	3.9			4.6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	7.1	6.5	5.2	3.2	1.9	3.2	10. 40.	3.9			4.6
THUNDER- STORMS	2.6	2.6	4.5	1.3			3.2	1.3			1.9
HOURS (L.S.T.)	00	03	90	60	12	1.5	1.8	2.1	-		
MONTH	Jul										TOTALS

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STATION NAME GLENVIEW, ILLINOIS

73-77

YEARS

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WEATHER CONDITIONS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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WEATHER CONDITIONS

GLENVIEW, ILLINDIS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

			-						 	 	
TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION	18.0	20.7	40.0	27.3	20.0	18.7	20.7	15.3			22.6
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	7.3	0.9	10.7	17.3	13.3	11.3	13.3	9.3			11.1
50	12.0	16.7	31.3	10.0	6.7	8.0	8.7	0.9			12.4 11.1
% OF OBS WITH PRECIP.	20	6.6	8.0	6.7	6.7	10.0	0.9	0.9			7.7
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	7.8	9.3	8.0	6.7	6.7	10.0	6.0	6.0			7.7
THUNDER. STORMS	2.0						1.3	1.3			eo .
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1			
MONTH	SEP										TOTALS

GLENVIEW, ILLINDIS STATION 14855

73-77

DCT HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	17.4	19.4	31,0	56.5	15,5	14.2	18.7	14.2		19.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	1.3	3.9	π. •	12.9	4.0	5.8	4.6	2.6		6.1
506	17.4	18.1	27.1	14.2	7.1	4.8	11.6	11.6		14.4
% OF OBS WITH PRECIP.	0.6	0.6	.c	5.8	6.0	7.7	10.3	10.3		8.0
HAIL										
SNOW AND/OR SLEET			9.			0		1.3		
FREEZING RAIN & OR DRIZZLE										
RAIN AND/OR DRIZZLE	0.6	9.0	4.8	œ.	6.5	7.7	10.3	0.0		7.7
THUNDER- STORMS	•					9.				8
HOURS (L.S.T.)	00	03	90	60	12	15	1.8	21		
MONTH	100									TOTALS

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量

STATION 14855

GLENVIEW, ILLINDIS

STATION NAME

73-77

NON

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	13,3	15.3	21.3	28.7	21.3	18.0	16.7	14.0		18.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE		۲.		8.7	6.3	6.7	5.3	1.3		4.2
FOG	13.3	15.3	21.3	21.3	12.0	11.3	11.3	13.3		14.9
% OF OBS WITH PRECIP.	10.7	14.0	12.7	13.3	12.7	10.7	13.3	16.7		13.0
HAIL										
SNOW AND/OR SLEET	4.7	6.7	0.9	6.7	0.4	5.	4.7	6.0		5.5
FREEZING RAIN & OR DRIZZLE										
RAIN AND/OR DRIZZLE	6.7	7.3	6.1	7.3	8.7	5.3	9.3	12.0		7.9
THUNDER- STORMS		. ,								•
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1		
MONTH	> 0 N									TOTALS

0 0

14855 STATION

12648 - 54321

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY DRSERVATIONS

FREEZING RAIN &/OR DRIZZLE	SNOW % OF AND/OR HAIL OBS WITH FOG SLEET PRECIP.	S AND/OR HAZE	BLOWING	AND/OR WI SAND TO	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	3.5 21.3 18.	1.7 1.3	9.		20.6	155
	16.1 23.2 23	3.9 2.6	5 1.9		27.7	155
1.3	18.1 23.9 29	29.0 1.	3 2.6		32.9	155
9.	17.4 20.0 27.	7.7 7.7	1.9		37.4	155
	16.8 20.0 21.	9.11 6.	6 1.9		35.8	155
7	5.5	3 10.3	9.		25.8	155
9.	14.2 20.0 17	17.4 7.	1 .6		25.2	155
-	12.3 17.4 16.	1.	9.		18.1	155
.3 15.5		4	-		27.9	1340

0 0 0 0 0

0 0

0

STATION 14855

GLENVIEW, ILLINDIS

73-77

ALL

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DOSERVATIONS

					1								
NO. OF OBS.	1240	1123	1239	1200	1240	1200	1240	1240	1200	1240	1200	1240	14607
% OF OBS WITH OBST TO VISION	24.3	21.0	25.6	14.9	20.8	18.0	20.7	30.3	22.6	19.6	18.6	27.9	22.0
DUST AND/OR SAND					.1								0.
BLOWING	2.3	.7	.2	4.								1.3	4.
SMOKE AND/OR HAZE	7.3	7.5	7.1	6.9	7.4	8.9	15.4	20.9	11.1	6.1	4.2	5.4	0.6
50	15.7	13.3	18.5	60	13.7	9.3	6.2	11.4	12.4	14.4	14.9	21.2	13.3
% OF OBS WITH PRECIP.	16.9	17.0	16.5	12.4	6.7	6.6	4.0	6.6	7.7	0.8	13.0	20.6	11.6
HAIL													
SNOW AND/OR SLEET	12.0	13.3	5.3	5.6						m.	8.	15.5	4.5
FREEZING RAIN &/OR DRIZZLE	0	4.										.3	
RAIN AND/OR DRIZZLE	2.	9.0	11.8	10.4	9.7	5.9	4.6	6.6	7.7	7.7	7.9	5.4	7.1
THUNDER. STORMS	4.		s.	1.4	1.7	8.	1.9	1.6	ec .	62	.1		6.
HOURS (L.S.T.)	ALL												
МОМТН	JAN	m m	MAK	APR	МАУ	Z C C	JUL	AUG	SEP	DCT	ADV.	DEC	TOTALS

WEATHER CONDITIONS ATMUSPHERIC PHENDMENA ALL

40-77 GLENVIEW, ILLINGIS

14855 STATION

YEARS

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

МОМТН	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
ZAC	DAILY	1.8	22,1	8 8	0.67		60.1	35.7	6.64	9.4		65.9	868
83		1.4	22.4	5.3	44		56.6	36.5	50.4	6.7	1.	60.8	791
MAR		9.9	34.3	2.5	37.6	1.2	59.7	37.8	47.6	4.4		62.1	868
ADA		14.3	51.8	5	11.1	1,2	56,3	33.2	44.8	.7	50	55.5	940
MAY		15.4	49.1		1.5	7.	49.3	31.5	42.1		,2	51,5	808
NOO		22.6	48.7			5.	45.7	32.9	52.0		4.	59.6	840
111		20.5	43.7			Q	43.7	37.8	54.5			65.9	808
900		16.9	38.5			7	38.5	46.8	62.2			69.1	808
0.35		13.9	42.3			5	42.3	39.9	52.0			60,8	840
TOO		6.4	36.9		3.4		37.9	38.9	46.6			57.9	875
NON		2.9	33.6	2.	54.0	.3	50.2	36.8	47.7	2.1		59.9	858
0 E C		1.6	26.1	4.0	44.1	-	59.8	41.9	50.4	4.9		65.7	898
TOTALS		10.2	37.2	1.7	18.0	4.	50.0	37.5	50.0	2,3	-:	61.0	10282

0.0000

GLENVIEW, ILLINDIS STATION NAME STATION NAME STATION NAME
11

NO	41.4	45.5	35.7	22.7	37.5	50.0	68.8	27.3	57.8	4.99	67.3	17.3	61.9	86.5	81.0	75.3		No.	850	68.5
BLOWING SAND AND DUST																		X		
BLOWING	6.9		7.1	13.6	3.1				1.2		2.0		3	0	3	1.4		X	23	2.3
SMOKE	3.4			13.6	21.9	14.3	18.8	4.5	7.2	4.0	6.4	9.1	2.1	1.8	2.5	1.4		X	67	2.4
GROUND FOG						7.1		9.1	3.6									7.2	12	1.0
00	22.4	54.5	28.6	45.3	34.4	25.0	25.0	31.6	24.1	16.8	14.9	9.	3.0	8	3.1	12.3		1	183	14.8
THUNDER				4.5	3.1	7.1		4.5										\bigvee	'n	4.
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS	31.0	18.2	35.7	36.4	4.6			22.7	0	74.4	\$ • cs	6.8	6.0	4.5	11.4	16.4		Y	149	12.0
SLEET SHOWERS CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE				4	3.1			4.5	3.6		2.0			6.				M	11	6.
DRIZZLE	1.7			9.1	3.1	3.6				2.4		1.5	1.3	1.8				X	23	1.9
RAIN				4.5	3.1	7.1		4.5	2.4		1.0			6.				M	6	
NIA	1.7	9.1	7.1	13.6	6.3	7.1	6.3	6.9	9.6	1.6		1.3	**	6.		2.7		X	33	2.1
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	×	WNW	WN	NNN	VARIABLE	CALM	TOTAL	% TOTAL

0

0

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

0

0

0

0

0

0

0

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STIL

	1
FEBRUARY	HINOM
JAN 1973 - DEC 1977	YEARS
GLENVIEW, ILLINOIS	
14855	STATION

NO	51.0	43.8	0.10	54.5	67.7	36.8	57.9	81.8	83.0	72.2	70.3	72.0	85.1	85.0	78.6	63.6		N. A.	795	70.5
BLOWING SAND AND DUST																		X		
BLOWING	0.6				1.05										2.0	4.5		X	60	
SMOKE	3.9	6.3	3.4	3.6	9.2	10.5	5.3	13.6	1.9	4.4	11.9	6.3	3.4	4.7	5.9	7.6		X	40	5.7
ICE FOG GROUND FOG						S. 33	5.3	4.3		3.3	2.0							X	15	1.3
509	39.2	34.4	18.6	20.0	6.2	5.3	15.8		1.9	5.6	10.9	14.7	6.1	6.5	4.3	9.1		**	135	12.0
THUNDER																				
HAIL SMALL HAIL																		X		
GRAINS GRAINS PELLETS SHOWERS	25.5	34.4	25.4	20.0	0	21.1	5	0.1	7.5	8 9	7.9	10.7	6.0	CP.	9 60	22.7		*X	150	13.3
SLEET " SHOWERS ICE CRYSTALS		3.1																	1	•1
FREEZING RAIN FREEZING DRIZZLE				1.8							2.0					7.5		X	4	4.
DRIZZLE	2.0		3.4	3.5						1 . 1	3.0					4.5		X	17	1.5
RAIN		3.1		1.8			5.3		1.9	1.1								X	5	4.
A A	80	6.3	6,8	3.0	6.2		5.3			2.2	2.0	2.7						N A	23	2.0
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	3	WNW	× N	NNN	VARIABLE	CALM	TOTAL	% TOTAL

1,128

TOTAL NUMBER OF OBSERVATIONS

0

STOR % FREQ. WIND DES VS WEATHER JAN 68

WEATHER

BLOWING SAND AND DUST

BLOWING

SMOKE

THUNDER

HAIL SMALL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET

SHOWERS

ICE

CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

SHOWERS

RAIN

DIRECTION

WIND

1.5

2.5 2.5

1101

W Z

NNE

z

7 5

4

2.7

SSE

SE

400410

SSW

S

1.3

9 4 6

A A ESE

SENTAGE FREQUENCY OF WIND DIRECTION WEATHER CONDITIONS VS.

-

GLENVIEW, ILLINDIS 14855 STATION

JAN 1973 - DEC 1977

MARCE

ALL

1.9 1 . 1 SNOW 1.1 1.4 1.1 2.7 ICE FOG GROUND FOG

1

1.9 X T. 7.0

44 2 4 7 6 6 6

1.4

NSW WSW

TOTAL NUMBER OF OBSERVATIONS

1,239

67.7

76

0 00

219

000

6.4

\$ 50

-

3.0

4.

5.4

% TOTAL

0

0

TOTAL

5.7

6.

VARIABLE

CALM

2,2

NNN NNN

₹ Z

3

X

× 50

1

NAVWEASERVCOM

APRIL JAN 1973 - DEC 1977 GLENVIEW, ILLINDIS 14855 STATION

NO	81.3	84.7	1 69	81.6	74.4	55.4	62.1	75.7	69.1	72.0	8.98	90.2	84.4	93.6	71.9	88.5		\$ C		700	400
BLOWING SAND AND DUST																		X			
BLOWING	1.6	6.														eri eri		X	,	* **	•
SMOKE	1.6	5.4	2.1	5.3	12,2	17.9	17.2	5.4	0.0	6.4	5.3	6.4	3.0					X	2	A	4 4 7
ICE FOG GROUND FOG						3.6	3.4	2.7		1.2	1.3	1.6						4.6	7.		7 1 6
500	4 6	6.3	10.3	9.9	6.1	16.1	10.3	13.5	12.00	7.	1.3	1.6	2.6	2.1	6.3	3 . 8		*	0	200	9
THUNDER	1.6	(A)	1.0	2.6	4.				2,1	1.00	9.5	3.6	5.6						ŗ	1 4	
HAIL SMALL HAIL																		X			1
GRAINS GRAINS PELLETS SHOWERS	6.3		10.3	1.3		30								2.1	20.00	3.8		X	G	2 4	
SLEET SHOWERS ICE CRYSTALS			2,1															\bigvee	r	9	- 60
FREEZING RAIN FREEZING DRIZZLE																		\bigvee			
DRIZZLE	3.1		2.1	1.3		3.6				2.4		1.6			3.1	3.8		X	13	10	4
RAIN	4.7	3.6	5.5	7.9	8.	3.6	6.9	5.4	11.7	15.9	2.3	1.6	5.2		3.1			X	7 7	200	
A N	4.7	1.8	10,3		6.4	12.5		5.4	3.2	7.5		1.6	5.2	4.3	6.9	3.3		X	.,	3 .0	
WIND	z	NNE	NE	ENE	Ш	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	WN	MNN	VARIABLE	CALM	1	% TOTAL	

TOTAL NUMBER OF OBSERVATIONS

0

1,200

1	
MAV	HENON
JAN 1973 - DEC 1977	YEARS
GLENVIEW. ILLINOIS	STATION NAME
14855	STATION

NO WEATHER	9.69	73.7	76.8	76.3	00	0.99	75.0	59.1	34.8	0.09	6 40	0.98	92.0	1.60	85.7	75.0		0.2	915	73.0
SAND SAND AND DUST											7.4	,						M	-	7.
BLOWING																		M		
SMOKE	3.6	100	3.2	4.3	7.2	7.0	14.3	4.5	19.4	14.3	5.3	3.5	2.0	30				100	83	7.1
GE FOG GROUND FOG			4.2	2.2	4.5				5.5	200	1.4	2.3			9.0	12.5		**	41	143 64
500	21.4	18.4	10.8	14.0	20.7	80	7.1	13.6	7.6	7.1	. S	× 20	0.1	9	7.1			*	129	10.4
THUNDER	1,8	0.			2.7	4	3.6	~ ·	æ	4.	* · K	· ·	1,0	. a				X	23	7.0
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE		0.	2.1	1.1	0.				1.0		1.4		1.0		3.0			M	0	. 7
RAIN	7.1	4.4	7.4	4.3	11.7	10.6	10.7	18.2	16.1	12.0	5.5	4.7	2.0	• •	7.1	2.		X	90	6.9
A N	40		2	4	en •	2.1		4	3.6	7.4				7.0	3.6			X	200	2.0
WIND	z	N N N	W Z	RNR	3	ESE	SE	SSE	s	SSW	SW	WSW	3	MNW	N.V.	N N N	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

0

1,240

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NAVWEASERVCOM

2

1114:

JAN 1973 - DEC 1977 GLENVIEW, ILLINGIS 14855 STATION

NO	78.0	73.6	83	76.6	66.7	71.9	56.7	56.3	57.7	73.4	86.1	85.4	6.46	68.2	85.0	83.3		X		066	77.5
BLOWING SAND AND DUST																		X			
BLOWING																		\bigvee			
SMOKE		6.9	7.6	10.9	17.6	3.1	20.02	18.8	15.4	10.6	6.9	6.3	2.2	5.0	10.0	8.3		X	0	23	8 9
GROUND FOG		5.6	1.5	1.6		4.6			8	3.2	1.0	3.1						N. C.		24	3.5
509	15.3	9.7	7.6	3.5	7.8	4.6	13.3	12.5	4.9	4.9	0.4	2.1			5.0			X		7.0	5.0
THUNDER	1.7	4.2		4.7	60	3.1	3.3	5 6	2.			2.1	6° N	5.	0.0	30		X		00	8.5
HAIL SMAIL HAIL																		X			
SNOW GRAINS PELLETS SHOWERS										-											
SLEET SHOWERS ICE CRYSTALS																		X			
FREEZING RAIN FREEZING DRIZZLE																		\bigvee			
DRIZZLE	1.7	1.4	1.5															X		19	. 33
RAIN	3.6	2.8	1.5	7.8	7.8	6.3	13.3	18.8	16.7	7.4	2.0	2.1	5.9	5.9	10.0	8.3		X		0	5.3
RAIN						3.1			1.3	1.1	1.0							X	,	*	.3
WIND	z	NNE	NE	ENE	Ε	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	×	MNN	VARIABLE	CALM		TOTAL	% TOTAL

0

-

1,200

TOTAL NUMBER OF OBSERVATIONS

0

0

0

JAN 1973 - DEC 1977 GLENVIEW, ILLINGIS 14855 STATION

NO	62.0	86.4	78.0	87.3	71.6	82.9	78.3	69.2	65.8	80.2	69.8	72.5	78.8	78.3	6.96	73.3		-	446	76.1
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	12.0	6.9	10.2	00	24.3	11.4	17.4	15.4	23.3	10.5	1.8.8	22.0	11.6	10.9				X	175	1461
GROUND FOG	12.0		3.4						4.1		2.1		3.4	2.2		3.3		X	2	3.0
50	10.0	8.9	3.4	4.2	.,		4.	7.7	7	5.5	5.2	æ	. 7	2.2		13.3		X	04	3.2
THUNDER	0.4		1.1	7.1			0.0	1.1	2.7	8.3	1.0	1.0	2.7	2.2	3.1	6.7			* 7	5.1
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE				1.4					1.4		2.1					3.3		\bigvee	80	7.
RAIN	10.0	1.7	1.7	2.8		2.9	4.3	7.7	6.8	4.7	2.1	3.7	5.5	6.5	3 . 1	3.3			4.7	3.00
RAIN										5 3		G.				6.7		Ž.	40	.5
WIND	z	N N	Ä	ENE	W	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	N.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

NO	70.4	9.69	84.5	87.1	71.0	55.3	55.6	64.7	53.0	50.8	58.1	70.5	76.5	72.7	75.8	72.7		XXXX	826	9000
SAND SAND AND DUST																		M		
BLOWING																		M		
SMOKE	11.1	13.0	0.00	6.9	13,0	28.0	16.7	23.5	37.0	34.1	34.3	17.0	4.7	9.1	6.1	9.1		7	234	18.9
ICE FOG GROUND FOG		4.3			1.4	15.8	3.6	5.9	2.0	4.5	1.9	1.1	2.4	3.0	6.1	6.1			80	4.7
F0G	14.	13.0	3.4	6.5	13.0	10.5	16.7		2.0	6.1	0.	3.6	8.2		6.1	6.1		X	80	6.7
THUNDER	7.6			1.6					7.0	3.0		2.3	4.5	2.9	3.0	6.1		X	0	1.6
HAIL SMALL HAIL																				
SNOW GRAINS PELLETS SHOWERS																				
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE					1.4	2.6						1.1			3.0	3.0		M	SE)	**
RAIN	11.1	8.7	5.5	3.5	4.3		5.6		5.0	7.6	3.8	5.7	3.2	18.2	6.1	6.1		X	99	5.3
RAIN N	1.9				5.9				2.0	2.3	1.0		1.2			3.0		X	11	0.
WIND	z	NNE	Ш	ENE	ш	ESE	SE	SSE	S	SSW	SW	WSW	×	WNW	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

0 0 0 0 0

FREQ. WIND DIR. VS WEATHER

71.2

WEATHER

BLOWING SAND AND DUST

THUNDER

HAIL SMALL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET
" SHOWERS
ICE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

SHO WERS

RAIN

DIRECTION

WIND

8011180N

3.5

14.0

ш

ENE

3.1

ESE

SE

9.1

9.1

SSE

3.0

5.7

NN

z

M

5.1

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

GLENVIEW, ILLINGIS 14855 STATION

JAN 1973 - DEC 1977

SEPTEMBER

ALL

BLOWING															
SMOKE	3.4	1.9	1.7	7.0	10.5	18.8	25.2	22.7	17.2	14.7	14.3	11.6	12.6	6.5	9.9
GROUND FOG	3.4	5.7		1.08	1.8	3.1	16.7	9.1	0.9	4.2		1.4		1.3	2.3
509			8	8.0	7.5	8.8	6.7	9.1		7.4	3.2	-	0.	en.	

74.2

83.5

			25.2		3					N.	120	10.0
-			16.7	-				2.3		X	64	4.1
	-		16.7						7.0	X	100	(f)
		3.1		6.			1.0			\bigvee	•	æ.
										M		

0

7 . 4

WSW

3

4.2

N.

SSW

S

SW

TOTAL NUMBER OF OBSERVATIONS

1.2

3.3

200

TOTAL % TOTAL

X

CALM

VARIABLE

2.3

1 . 4

NNN

40042

2.0

WNW

×

1,200

73.8

X

NAVWEASERVCOM

ALL	HOURS (L.S.T.)
OCTORER	MONTH
JAN 1973 - DEC 1977	YEARS
GLENVIEW, ILLINDIS	STATION NAME
14855	STATION

NO WEATHER	71.2	74.5	68.8	77.3	71.4	44.8	78.6	45.8	72.6	73.6	85.7	87.9	88.8	95.6	6.06	91.2		T.	056	76.6
SAND AND DUST																		\bigvee		
BLOWING																		\mathbb{N}		
SMOKE	5.1	3.6	6.3	9.1	8.6	10.3	14.3	16.7	12.7	5.6	3.1	3.0	2 . 8					7	70	5.6
ICE FOG GROUND FOG	1.7							4.2	3.8	1.6	5.1	4.5						7	56	4.9
500	16.9	20.0	14.6	4.5	14.3	4.	7.1	16.7	10.2	12.8	3.1		4.7	5.6	6.1	7.0		*	123	6.6
THUNDER		20.											6.					M	~	.2
HAIL SMALL HAIL																		M		
GRAINS GRAINS PELLETS SHOWERS		æ	2 . 1					4.2							-			M	*	.3
SLEET " SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\mathbb{N}		
DRIZZLE	157	1.0		9.1										1.9		3.5		X	14	1.1
RAIN	1.7	3.6	4,2	4.5	5.7			6.3	1.3	7.2	2.0	1.5	3.7					X	31	2.5
RAIN	13.6	3.5	12.5		5.9	27.6		16.7	3.8	3	2.0	1.5	6	1.9	3.0	3		X	5	4.1
WIND	z	NNE	NE.	ENE	E	ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	N/A	NNN	VARIABLE	CALM	TOTAL	% TOTAL

NAVWEASERVCOM

1

1,240

TOTAL NUMBER OF OBSERVATIONS

STOR % FREQ. WIND DE VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

7

1111

7

GLENVIEW, ILLINDIS 1 4855 STATION

JAN 1973 - DEC 1977

NOVEMBER

ALL

TOTAL NUMBER OF OBSERVATIONS

0

1,200

NO WEATHER	71.4	50.0	44.4	59.1	5 . 64	61.5	35.3	41.2	64.5	71.3	71.9	76.9	90.5	0.76	0.48	19.1		77	882	73.5
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE		1.07			4.3	15.4	63.5	23,5	2.5	4.9	2.5	0.1	1.1		3,7	1.3			47	3.9
GROUND FOG				6.1	eco	15.4	5.9	5.9	6.	1.6	1.0	1.9	1.1			1.93		X	35	5.9
500	16.7	30.8	44.4	22.7	17.4	7.7	17.6	5.0	20.0	74.8	17.7	6.7	1.6	3.6	3.7	5.1		TY.	144	12.0
THUNDER									6.									\bigvee	1	1.
HAIL SMALL HAIL																		\bigvee		
SNOW GRAINS PELLETS SHOWERS	7.1	11.5	5.5	6	26.1			5.5	0.0	1.0	N	12.5	6.4	2.4	7.4	7.6		\bigvee	99	5.5
SLEET " SHOWERS ICE CRYSTALS																			_	
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	4.0	1.1	5.6	4.5						2.5		1.9	6.	1.2	2.5	2.3		X	24	2.0
RAIN		3.8	5.6	4.5			11.8	11.8	7.3	4.1	3.1	1.9		1.2	1.2				23	2.3
RAIN	0	7.7	11.1	4.5	4 . 13	23.1	17.6	5.9	2.7	6.4	2.1	1.9	1.1	1.2	2.3	6.0		Ŷ	43	3.6
WIND	z	NNR	M.	ENE	В	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	×z	MNN	VARIABLE	CALM	TOTAL	% TOTAL

DECEMBER JAN 1973 - DEC 1977 GLENVIEW, ILLINDIS 14855 STATION

ALL

8	.3	6	4.	9		7	52.2	7.	66.7	69.3	65.0		-		6.	2		7	779	62.8
NEATHER	53	52	48	55	36	64	52	54	99	69	69	68	70.	72	75	69		1		62
SAND SAND AND DUST																		\mathbb{N}		
BLOWING			12.9									6 . 7	3.7	3.0	1.2	1.4		X	1.7	4.
SMOKE			3.2	11.1	10.2	11,1	17.4	16.2	6.3	9.6	5.9	5.8	3.7	4.0	1.2			7	40	5.5
ICE FOG GROUND FOG		2.9			2.0	3.7		2.7	2.1	1.8	3.9				1.2			X	22	1.8
500	33.3	32.4	22.6	16.7	42.0	29.6	30.4	10.8	17.7	14.0	23.3	16.3	10.4	11.1	7.2	15.9		2	241	19.4
THUNDER																				
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS	28.9	14.7	29.0	25.2	20.4	11.1	8	16.2	en .ee	2.5	7	17.3	18.3	13.1	20.5	24.6		X	192	5.00
SLEET " SHOWERS ICE CRYSTALS							. W.											X		
FREEZING RAIN FREEZING DRIZZLE					4.1											1.4			4	
DRIZZLE	4.4				10.2	3.7	8.7	2.7		4.4	1.0	1.9		0.1				X	21	1.7
RAIN	2.2						4.3		1.0	6.	6.4	1.0		1.0		1.4		X	4.	1.1
N A IN		14.7	3.2		8.2	11,1	4.3	2.7	4.2	1.8			1.2		4.4	5.8		7	34	2.7
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	×	WNW	M.V.	NNN	VARIABLE	CALM	TOTAL	% TOTAL

NAVWEASERVCOM

1,240

TOTAL NUMBER OF OBSERVATIONS

5

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

A	HOOH
ALL	MONTH
JAN 1973 - DEC 1977	YEARS
GLENVIEW, ILLINDIS	
14855	STATION

NO WEATHER	4.99	72.4	70.0	72.4	62.0	56.2	59.8	57.6	6.49	68.6	74.5	77.6	0.48	85.2	32.2	75.7		7.7	10533	72.1
BLOWING SAND AND DUST																		X	-	0.
BLOWING	1.2	-0			•				•		.2	•	6.	9.	7 . 7	1.1		\bigvee	59	4.
SMOKE	4.0	2.4	4.5	6.2	12.4	1.5.1	15.7	13.8	14.1	11.3	10.1	8.6	4.	3.6	6 . 2	3.2		X	1177	3
GROUND FOG	1.4	1.6	1.0	1.0	1.3	4.5	2.5	3.4	2.00	2.2	2.1		9.	*		1.4		2	391	2.7
90	19.4	16.4	15.0	13.2	17.2	10.4	15.7	12.0	10.5	9.6	4.8	6.5	4.4	5.4	4.	an a n		**	1553	10.6
THUNDER	1.1	1.0	4.	1.3	1.3		2.1	2.7	1.5	0.1	ç.	6.	6.		•	1.1		X	137	6.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS	80	4.4	7.5	4.8	3.9	2.8	1.1	un un	5.0	2.0	03	4.9	4.0	4.5	600	8			651	4.3
SLEET " SHOWERS ICE CRYSTALS		7.			60													X	60	٠,
FREEZING RAIN FREEZING DRIZZLE				·.	7.			Ca.			*		7.	•		**		X	20	. 1
DRIZZLE	2.00	ं ।	1.9	3.2		2.0	1.00		1.0	1.2	0.1	•	7.	•	7.0	2 . 1		X	185	1.3
RAIN	4.2	3.7	3.3	4.6	5.5	4.5	7.1	7.7	6.1	5.3	2.8	2.2	2.0	5.4	1.9			X	407	4.4
Z Z	4.5	3	5.5	2.7	5.6	7.1	3.4	5.4	3.3	2.6	00	1.3		1.1	1.0	3.7		X	382	5.6
WIND	z	NN	NE	ENE	3	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

0

0

0

TOTAL NUMBER OF OBSERVATIONS

14,5607

NAVWEASERVCOM

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS SNOW DEPTH SNOWFALL*

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). may be misleading. 1:

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ö

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Snow depth at 1230 GCT Snow depth at 1200 GCT Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT Snow depth at 0800 LST From beginning of record thru Jun 52 From beginning of record thru 1945 Jun 57-present Jun 57-present Jul 52-May 57 U. S. Navy and Weather Air Force Stations Bureau Stations

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PRECENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

GLENVIEWS ILLINOIS

oN □

YEARS

						AMA	AMOUNTS (INCHES)	(CHES)						TANCANA		MOM	MONTHLY AMOUNTS	UNTS
PRECIP.	NON	TRACE	6	.0205	0190.	.1125	26. 50	51.1.00	1.01.2.50	2.51.5.00	5.01.10.00	10.01.20.00	10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	₹10.1.0	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	0 o			
SNOW	NON	TRACE	-	2	9	4.6	7.12	13.24	25.36	37.48	49.60	61-120	OVER 120	AMTS		NY	CREATES	ic y
NAL	40.5	28.5	2.7	6.3	5.0	6.9	4.3	1.8	1.1					31.0	196	1.93	4.23	.39
5	43.8	26.3	2.5	8.7	4.7	7.8	3.5	2.5	.2					6.62	876	1.47	3.13	.21
MAR	40.0	22.6	1.9	9.5	5.6	7.6	9.9	4.3	1.3					36.8	930	2.80	5.28	.63
APR	44.5	16.1	1.6	6.8	4.2	10.2	7.1	5.3	2.2					39.4	960	3.55	6.25	.96
MAY	49.0	13.9	1.7	7.8	4.0	8.6	7.4	6.1	1.6					37.1	1023	3.46	7.66	.98
Z	34.4	15.0	1.9	4.5	3.4	7.6	7.1	5.4	3.2	. 3				33.5	930	4.16	7.27	.70
101	58.5	12.6	1.4	0.0	3.0	5.0	6.5	4.2	5.4	4.				28,9	1023	3.71	8.28	.08
AUG	62.4	10.8	1.2	5.2	3.1	6.2	4.3	4.4	2.1	.1				26.8	266	2.87	7.28	. 55
SEP	57.7	13.3	1.5	5.4	4.0	5.7	4.0	5.3	2.5					58.9	930	3.161	13.88	.49
٥٥	97.29	11.7	1.8	5.9	4.3	5.6	3.1	3.3	1.3	.2				25,7	266	2.36	9.14	.22
> O	49.8	20.0	1.9	0.9	4.9	7.4	4.5	9.6	9.					30.2	930	2.21	4.38	.51
DEC	40.7	26.4	3.1	7.3	7.0	6.1	5.6	5.6	1.1					32.9	366	2.26	5.99	.43
ANNUAL	50.4	17.8	1.9	7.0	4:4	7.1	4.6	÷.1	1.6	.1				31,8	1153983.94	33.94	X	X

0

0

0

0

0

0

0

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNDWFALL (FROM DAILY OBSERVATIONS)

GLENVIEWS ILLINDIS

45-77

YEARS

						AMO	AMOUNTS (INCHES)	(CHES)						TARCENT		NOW	MONTHLY AMOUNTS	UNTS
PRECIP.	NON	TRACE	6	.02.03	0190.	.1125	26.50	.51.1.00	1.01.2.50	2.51.5.00	5.01.10.00	10.01.20.00	10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	₹.0.1.0	4.1.2.0	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	4.5.10.4	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	0 o o	7	CBEATECT	1549
SNOW	NON	TRACE	-	2	9	9-4	7.12	13.24	25.36	37 .48	49.60	61.120	OVER 120	AMTS				
NAL	51.8	27.7	6.8	7.0	2.5	2.1	9.	80	.5	.1	.1			5002	196	10.3	32.8	. 2
83	55.5	25.7	6.1	9.9	2.6	2.2		*U	.7	.1				18.8	878	7.7	29.3	· .
MAR	63.9	20.3	5.8	5.2	1.5	1.1	. 5	1.1	9.					15.8	930	7.4	29.5	• 0
APR	88.9	8.2	6.	6.		• 2	. 3		.1	.1				2.9	006	1.8	14.4	•0
MAY	98.8	1.2													1023	TRACE	1023TRACETRACE	0.
NOT	6.66	.1													086	TRACE	930TRACETRACE	0.
JUL	100.0														992	0.	0.	
AUG	100.0														266	0.	•	.0
SEP	100.0				,										930	0.	9.	0.
500	97.0	2.4		.1	.2			.1						•	992	.5	7.0	.•
NOV	76.0	16.5	2.5	2.7		6		~						7.0	930	2.4		7.9TRACE
DEC	56.6	24.8	0.9	5.9	5.9	1.2	1.2	9.	9.					18.6	266	9.5		26.6TRACE
ANNUAL		82.4 10.6	2.3	2.4	6.	9.			.2	0.	0.			7.0	7.0 11448	39.3	X	X

000

0

0

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

GLENVIEWS ILLINGIS

48-77

YEARS

						AMA	AMOUNTS (INCHES)	(CHES)						PEBCENT		NON	MONTHLY AMOUNTS	STNUC
PRECIP.	NON	TRACE	5	.0205	0190	.1125	2650	.51.1.00	1.01-2.50	2.51.5.00	5.01.10.00	10.01-20.00	2.51.5.00 5.01.10.00 10.01.20.00 OVER 20.00 OF DAYS	OF DAYS	NO		(INCHES)	
SNOWFALL	NON	TRACE	₹0.1.0	0.5.1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5.15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	9 o 8 o	2	200	1
SNOW	NON	TRACE	-	7	6	4.0	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS				
NAL	27.4	19.4	13.7	7.3	4.	14.2	7.8	1.7	:					53.2	868			
2	30.4	50.0	12.8	7.2	0.0	11.1	7.8	3.1						48.7	819			
MAR	63.5	13,1	5.7	4.1	2.1	6.1	3.0	.3						21.4	899			
APR	93.9	3.4	°.			60	.5							2.6	870			
MAY	100.0														899			
N	100.0														870			
101	100.0														899			
AUG	100.0														899			
SEP	100.0														870			
100	99.2	.3	.2	• 1										• 3	868			
ò	86.3	7.5	3.7		œ		1.							6,2	870			
DEC	45.2	21.4	4.6	5.7	3.7	6.7	6.0	1.3						33.4	930			
ANNUAL	78.8	7.3	3.8	2.2	1.8	3.3	2.2		-					13.8	10501		X	X

NAVWEASERVCOM

0

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18249

SNO

PRECIPITATION

YEARS

24 HOUR AMOUNTS IN INCHES

GLENVIEW, ILLINUIS

14855 STATION

YEAR	JAN.	FB.	MAR.	APR.	MAY	Š	JUL.	AUG.	SEP.	OCT.	× 0 ×	DEC.	MONTHS
4 50					2.17		80	1.21	. 92		60	4	
46	.58	.24		. 25			90.			.62		1.12	
47							06.	58					
48	1.30	.91		. 38		0	. 32	.37	1.05	4.		06.	00
64	0	3		3			2.19	.15	94.	+6.		1.24	
20	1.29	1.02	99.	10	.31	0		.74	1.14	19.		.75	2.08
51	6			00		ec.	0	1.76	1,26	1.02		1.22	
52	1.07	. 25		1.25		203	0.	-	99.			. 84	10
53	04.	.65	-	0		0	-		. 84	.22		87	~
24	.58	.61	1.75	2 . 35	.71	1.49	1.75	1.33	. 1.0	3.56	. 43	.80	3.56
55	-	.30	43	0			0	.62	C	2,30	. 56	. 73	
99	.13	. 52	04.	1.41		4	64.	1.58	2		09.	39	
57	N	-	. 72	-	•	0.		1.36			. 79	.67	0
a)	0	.19	en.	1.18		16.	2.67	0	. 79	•	.72	04.	9
65	8	94.	07.	0	100		-	100	1.23		-0	64.	5.
09	9	80	5	1.98	0	1.12	2.06	*	1,12	1.49	55.	. 33	0
61	2	0		123	0		300	-0	30		68.	06.	3
29	1.48	.68	64.	.61			1.98	0	1.00	40.	. 79	.11	6
63	. 43	N	35	0	3	R.S	60	0	0	.17	2	.37	
96	.31	~	. 86	1.47		0	3,12	0	1.11	.18	1.00	. 92	7.
6.5	1.70	-	48.	0	O	FU.	-		66.		-	1.30	4
99	0	. 52	.65	64)	0	œ. •	1.32	~	-	1.02	5	. 82	0
67	1.71	-	1.55			-:	O	9	69.	. 80	•	. 53	-
69	. 52	4	.28	0			0	3.10	00	.29	1.73	06.	7
69		.10	1.12	000	9	1.63	1.44	2	. 33	3.52	. 35	1.00	3
70	.37	.28	, su	1.13			N	.58	1.99	20	.63		6
7.1		15.	. 36	100		~	-		. 15	.35	96.	1.55	3
72		.31	1.03	1 . 84			•	1.40	1.88		1.28	. 93	4.31
73		*84	.71	1.49	1.09	tes.	2.28	3	1.4	. 19	04.	. 93	
74		.63		. 98			. 73	96.	.45	1.14	.65	36	
MEAN													
S. D.													
TOTAL OBS													

0

0

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K.

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0

PRECIPITATION

GLENVIEWS ILLINDIS

24 HOUR AMOUNTS IN INCHES

MONTHS	2.21	1.34	2.44	.913	11539
DEC.	1.62	1.23	.81	.370	266
NOV	. 46	2.	64.	.337	930
OCT.	1.10	26	1.00	. 833	266
SEP.	8 9	1•00	86.	. 503	930
AUG.	2.21	6.	1.02	.600	992
JUL.	1.25	69.	1.46	.963	1023
, NO.	. 83	7.34	1.51	. 885	930
MAY	77.	F	. 98	.466	1023
APR.	1.86	98.	1.06	. 500	960
MAR.	100	1.09	98.	.413	930
FB.	19.6	**	.54	.266	876
JAN.	1.74	92.	. 81	.515	196
YEAR	25		MEAN	S. D.	TOTAL OBS.

NAVWEASERVCOM

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PRECIPITATION

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Z4 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/ 45-77

GLENVIEW, ILLINDIS

14855 STATION

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YEARS

MONTH JAN. FEB. MAR. APR. MAY JUN.	6.	30 21							MEAN
JUL. AUG.									
SEP.			10						
OCT. NOV.			27.2						
DEC.			19						
ALL	PRECI	PRECIP							

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NAVWEASERVCOM

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SNOW FALL

YEARS

GLENVIEW ILLINGIS

INCHES
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YEAR	JAN.		MAR	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NON	DEC.	MONTHS
4.3			0.	TRACE	0.	0	0.	0.	0.	0.	TRACE	4.0	
46	. 7	2.8			0					0.		9	
47					0.			0.					
60	0.6	2.1			0.	0.	0	0.	0	0.	TRACE	2,01	
64		3.0	.5	TRACE	0.	0.	0.	0.	0.	0.	9	0.9	9
20	0	6.5	2.0	1.0	0	0	0.	0.	•	0.			. 0
51	3.1	2.8		2.7	0.	0.	0.	0.	0.	0.	*		12.6
52	6.4	1		TRACE	0.	0	0.	0.	0.	TRACE	×	1.7	4.
53	3.0	1.6	2.6	4	0.	0.	0.	0.	0.	0.	1.	1.9	3.0
54		1.8		TRACE	TRACE	0	0	0.	0.			4.7	8.
52		2.4	1.4	0.	0.	0.	0.	0.	0	TRACE	-	1.0	200
56	1.3	4.4	9.	9.	0.	0	0	0.	0.	0.		3.0	4.0
57	0.7	2.1		. 7	0	•	0.	0	0.	0.4	*.	4.4	. 0
58	20	6	6.1	TRACE	•	0.	0	0.	0.	0.	. 8	4.9	9.0
80	5.5	.3	•	4.	0.	•	0.	0.	0.	1.1	2.6	7.9	7.9
09		9.0	2.5	TRACE	TRACE	0	0	0.	0.	TRACE		3.0	8.0
61		5.6	10	4.4	TRACE	0.	0.	0.	0.	TRACE	5.6	0.6	0.6
62	14.8	7.1	3.5	30	0.	0.	0.	•	0.	TRACE		1.0	14.8
63	4.0	2.5	0.4	.1	•	0.	0.	0.	0.	0.	TRACE		0.0
50	1.2	2.8	8.6		0.	0.	0	0.	0.	0.		8,7	8
63	3.4	7.7	7.3	TRACE	0.	0.	0.	0.	0.	TRACE	4.	2.4	7.
90	0.0	1.7	4.	63	TRACE	TRACE	0.	0.	0.	0.	. 9		6.
67	17.4	11.7	5.5	2.0	TRACE	0.	0.	0.	0.	5.0	*		17.
68	4.0		9.	TRACE	0.	0.	0.	0.	0.	0.	TRACE	6.8	8.0
69	2.1	1.0	1.6	0	TRACE	0.	0.	0.	0.	TRACE	1.0	10.0	10.0
20	4.1	2.8	4.4	10.3	0.	0.	•	•	0	0.	TRACE	3.7	10.
7.1	7.1	1.3	. •		TRACE	0	0.	0.	0.	0.	U	TRACE	7.
72	3.0	3.1	7.2	4.3		0.	0	0.	0.	TRACE	2	4.0	7.2
73	.2	1.4	1.8	.2	TRACE	0	0.	0.	0.	0.	TRACE	3.7	9
7.6	2.3	3.2	146	TRACE	9	0	0	0	0.	TRACE	-	4	3.
MEAN													
S. D.													
TOTAL ORS													

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NAVWEASERVCOM

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SNOWBALL

FROM DAILY OBSERVATIONS

YEARS

24 HOUR AMOUNTS IN INCHES

45-77

GLENVIEWS ILLINGIS

14855 STATION

MONTHS	12.3	
DEC.	2.0	
NOV	3.4	-
OCT.	2.1	
SEP.	0.0	-
AUG.	0.0	
JUL.	00	1
JGN.	0,0	
MAY	00	+
APR.	12.3	-
MAR.	3.6	+
FEB.	5.0	+
JAN.	9 6	-
YEAR	25	+

0

170

-

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0

S. D. TOTAL OBS. MEAN

0

0

0

0

3.463

.000 1.162 1.479 2.927 930 992 930 992

000

0000

930

4.56 3.37 3.40 1.39 TRACE TRACE 3.826 2.581 2.544 2.949 .000 .000 951 876 930 900 1023 930

7.63

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EXTREME VALUES

SNOWFALL FROM DAILY OBSERVATIONS

GLENVIEWS ILLINDIS

ZA HOUR AMDUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MAR. APR. MAY JUN. JUI. AUG. SEP. OCT. NOV. DEC. MONTHS		0 7 10 24 19									
FEB.		18									
JAN.		2.9									
YEAR	94	4.7	9							MEAN	

0

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NAVWEASERVCOM

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SNOW DEPTH

48-77

GLENVIEW, TLLINGIS

14855 STATION

DAILY SNOW DEPTH IN INCHES

YEAR	JAN.	.	MAR.	APR.	MAY	ž	JUL.	AUG.	SEP	T.	200	DEC.	MONTHS
45													
94													
4.7													
6.6												6	
0.4	7	50	TRAC	TRAC	0	0	0	0	0			9	•
20	-	80		TRAC	0	0	0	0	0		~	10	01
51	8	1			0	0	0	0	0			18	18
52	50	-		TRAC	0	0	0	0	0	TRAC	TRAC	•	a,
53	M	2			0	O	O	0	0	0		~	3
3.4	E	~			0	ō	0	0	0		TRACE	3	•
55	3	4			0	0	0	0	0			~	4
56	1	3			0	0	0	0	0		-	3	
37	30	*			0	0	0	0	0		TRACE	*	60
a.		30			0	0	0	0	0			3*	
88	11	-			0	0	٥	0	0			9	7
00	e	10	7		0	0	0	0	0		TRAC	4	91
61	2	0			0	0	0	0	0			6	5
29	18	80		TRAC	0	0	0	0	0	TRAC		-	16
69	11	0		TRAC	0	0	0	0	0		TRAC	9	7
99	7	4		TRAC	0	0	0	0	0			1.4	14
69	3	11	.5	2	0	C	0	0	0	0	TRACE	•	15
99	13	10		TRAC	0	0	0	0	0			9	13
67	26	35	-1		0	0	0	0	0			2	32
9	00	2	TRAC	TRAC	0	0	0	0	0			=	11
69	11	-			0	0	O	0	0			13	13
	10	7			0	0	0	0	0		TRAC	n	70
7.1	0	2		TRAC	0	0	0	0	0		TRAC	TRACE	•
72	6	8			0	0	0	0	0				
73	TRACE	~		TRACE	0	0	0	0	0		0	11	17
74	1	30			a	0	0	0	0			2	9
MEAN													
S. D.													
TOTAL													

0

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NAVWEASERVCOM

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EXTREME VALUES

SNOW DEPTH

DAILY SNOW DEPTH IN INCHES

48-77

GLENVIEW, ILLINUIS

14855 STATION

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	× 0 ×	DEC.	MONTHS
75	2	0		12	0	0	0	0	0	0	89	4	12
76	9	9	,	0	0	0	O	0	0			60	9
11	4	•	4	0	0	0	0	0	0			S.	0
MEAN	9.9	4.0	4.2	1.2	0.	0.	0.	0.	0.	.2	1,6	5.9	10.9
S. D.	5.704	6.003	3.790	2.695	0000	0000	• 000	•	.000	•	2.1	4.323	5,800
TOTAL OBS.	868	819	668	870	899	870	899		870	868	870	930	10561

NAVWEASERVCOM

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SNOW DEPTH

GLENVIEWS ILLINGIS

14855 STATION

YEARS

JASSED ON LESS THAN FULL MONTHS/

MONTHS	DPTH	2	DPTH	S	DPTH	s	1740	S	SNU DPTH	00 7		
10	SND	DAY	SNO	DAVS	SNO	DAYS	SNO	DAY	SNO	SND		
DEC.	,	0		0		0						
NOV	,	0				0		0				
OCT.	•	0	,	0			0	-	30			
SEP.		0				c		c				
AUG.		0				0		0				
JUL.		0	1	0		0		0				
JUN.	,	٥	,	c		0		0				
MAY	,	0		0		0		0				
APR.	,	0		0				0				
MAR.	1	0		0				0				
FEB.				0		0		0				
JAN.				c		0		0		11		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	45		4.5		47		8 4		96	98	MEAN	S. D.

-

0

0

0

7.5

1976

11 1951

297 1967

11.7

29 1967

1.16

Monthly

31

30

1958

1963

69 48

1948

16.0 24.0

> 27 28 29

DAILY EXTREME AMOUNTS

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SLENVIEW, ILL INDIS

STATION NAME

JANUARY MONTH

1946-1977

YEARS

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	Ξ	J	١
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MONTH

DATE 1970 1960 1956 1964 1950 974 1950 1975 1956 1959 1966 1963 1967 6167 1962 1950 1961 1961 1962 1977 1961 1965 1972 9761 SNOWFALL GREATEST 150 56 19 180 203 173 165 63 147 112 132 43 23 163 Z 6.9 5.9 2.7 1.4 2,8 3.1 5.8 2.8 6.0 4.9 3.1 1: 5.2 0.2 11.7 3.7 INCHES 1: 1972* 1974* 1970 1956 1960 1960 1949 1973 1973 1975 1953 1976 1974 DATE 1967 1967 26 1950 15 1954 13 1956 1991 1961 1965 1957 19 1957 10 1971 13 1971 PRECIPITATION GREATEST 01 15 0 12 ٥ Σ 99.0 0.31 0.14 0.68 0.22 1,16 0.28 0.80 1.02 0.84 0.68 0.10 0.38 0.31 0.38 0.52 0.61 99.0 19.0 0.51 0.65 0 . 81 0.71 0.74 0.30 DAY 12 15 10 = 13 16 18 20 21 9 14 19 24 7 က 2 œ 6 1 22 23 25 4 26

> 1976 1966

> > 16 104

152

1970 1965 1970 1960

1461

5

6961 9 6961 6 26 1949 27 1952 21 1974 26 1958

16

17 18 19

1965

86

3.4 2.0 5.9 3.4

4.1

1968

1958

213

4.8

1.04 0.83

21

20

1963

163

4.9

86

1957

170 **S**B

96

1974

0.24 1.23

> œ 6

1963

1963

1.29

0.52 0.29 0.35 1.01

14 15

13

1.96

12

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0.28

10

44 1975

31 1957

1948 1971 1952 6961 1962 1962 1974

6.3 9.0

DATE

33 MM

> 0.63 0.74 0.45

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124

4.9 8.4 4.5 2.2 2.3 2.8 0.9 3.0

20 1955

1.48 0.45

0.11

2 9

114

SNOWFALL

PRECIPITATION GREATEST

DAY

	1.70	43	1965	5.6	99	1957
	0,00	10	1953	5.4	19	1991
	0.34	6	1975	2.7	69	1951
	09.0	15	1950	0.9	152	1966
_	1.1	43	1961	17.4	442	1961
_	0.75	19	1961	8.0	203	961
	0.30	00	7961	3.0	16	1965
-	66.0	10	1961	0.4	102	1961
	0.13	2	1947	5.9	34	1950
_	0.33	co	1951	3.1	19	195
_	1.96	20	1960	17.4	442	961

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

1962* 1959¥

1961

1945

312 1975

12,3

60 1954

Monthly

1964

9.8

1948

1.85

Monthly

30

39 1967

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINDIS

STATION NAME

MONTH MARCH

SNOWFALL

PRECIPITATION

N N

INCHES

DATE

Z

DAY

1976

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YEARS

DAILY EXTREME AMOUNTS

			DATE	1970	1975	1972	1974#	1950	1966*	1972
		SNOWFALL	MM	262	312	99	-	52	-	109
	MONTH	ชื่อ	INCHES	10.3	12.3	2.2	•	0.1	-	4.3
APRIL	MOM	z	DATE	1970	1975	1974	6961	1964	1954	1972
		PRECIPITATION GREATEST	MM	53	35	52	23	37	0	=
		PRE	INCHES	1,13	1.36	96.0	68.0	1.47	0.63	0.43
			DAY	-	2	3	4	2	9	7

2561

3.1

1966

31 1976

1.22

69.0 1.60 1.18 0.57 0.35

5.3 1.9

1976

5461 1953

25

1.0 8.0

14 1975

30 1946

2

4

9

1

1958

1975

1.6

1961 1965

142

2.6

51 14

0.2

6 1973

0.86

œ 6 10 =

22 1964

9 1975

1963

102

0.4 3.5 0.

29 1953

0.56

0.63

1951 1972 1965

0.1

30 1961

1.19

0.63 15.0 0.52

14 15 16

1.13

12 13

178 25 07 132 185

1661

1960

5.5 6.1 3.5 5.5

13 1960

18 1965

0.10

17

66.0

1965 1761

1971 1961 161

8

142

25 1945

1.85 1.44

19

20

21

18

140

101 130

1.4 5.1

15 1966

64.0

1.17

1.75

0.0 28.0 1.09

26

65.0

22

23 24 25

09.0

DAY	INCHES	MM	DATE	INCHES	MM
-	1,13	53	1970	10.3	26
2	1.36	35	1975	12.3	16
3	96.0	52	1974	2.2	5
4	68.0	23	1969	•	-
2	1.47	37	1964	1.0	2
9	0.63	91	1954	-	-
7	0.43	11	1972	4.3	10
80	19.0	13	1962	4.0	-
6	29.0	16	1973	2.0	2
10	0.48	12	1950	0.2	
11	0.86	77	1651	0.5	-
12	1.25	35	1952	•	-
13	0.75	19	1945	0.5	-
14	0.87	77	6561	•	-
15	0.75	19	1976	2.5	9
16	1,98	20	1960	4.4	=
17	\$6.0	54	1963	-	-
10	1.86	15	1975	•	-

1959

1973*

1962

1952

1961

1961

1973

1961

1957

_	-	-	+-	-	_	-	-	-	-		-	┝-
	1950	1651	1952	1945	6561	1976	1960	1963	1975	1970	9961	1973
	71	72	35	19	72	19	20	54	15	20	33	3.8
1	0.48	0.86	1.25	0.75	0.87	0.75	1.98	96.0	1,86	0.78	16.1	67
ח	10	11	12	13	14	15	16	17	18	19	20	,,
		_	-	_	_	-			_			_

	_		_	
24 1963	1975	20 1970	33 1968	38 1973
54	15	20	33	38
96.0	1,86	0.78	16.1	1.49
17	18	19	20	21

	70 100 100 100 100 100 100 100 100 100 1			ŀ
	5 167 6	6	0.35	-
-	1954	09	2.35	-
1	1950	33	16.1	-
2.	29 1950	53	1.16	-
o	11 1957	11	64.0	-

23

1965 1965 1975 1970

135

5.3

6.0

1971*

1976

1956

1967

51

-	1.0		-	-		0.1	
0661	966 1954	5461	43 1975	9561	1963	1970	
33	09	D .	43	92		20	
16.1	2.35	0.35	1.71	1.04	96.0	0.80	
24	25	26	27	28	29	30	

*0161

1970

1951

69

2.7

21 1976

18 1959

0.86

29

28

27

0

141 82

112

4.4

1964 1974

1977*

1971

1963

* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW ILLINGIS STATION NAME

1945-1977

YEARS

MONTH

			MOM	MONIA		
	PRE	PRECIPITATION GREATEST	NO.	IS 0	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
	69.0	16	1953			
	1,09	200	1948	•	-	161
	1.12	28	1958	,	-	1973#
	0.77	50	1977	-	-	1967
	0.92	23	1976			
	1,11	28	1948			
	0.30	50	1945	-	-	1960
	0.87	22	6961	•	-	1966
Γ	09.0	15	1956			
10	2,13	34	1991			
	0	51	1966	-	-	1966
Γ	1.31	33	1962			
	0.47	12	1964			
Γ	2.17	55	1945			
	69.0	18	1976			
	0.97	25	1960			
	96.0	54	1947			
	1.02	50	1965			
	1.10	28	1957			
20	99.0	16	1960			
	0.59	15	1962	•	-	1969
	1,27	32	1953			
	96.0	54	1970			
	1.70	43	1955			
	0.68	17	1961			
	69.0	18	1968	•	-	1961
	1,16	58	1945			
28	0.86	22	1976			
	1.12	28	1970			
	0.77	20	1975			
	0.76	19	1958			
Monthly	2	*	5701			76691

0

PAY	A.	PRECIPITATION GREATEST	Z O.	SO	SNOWFALL	
	INCHES	MM	DATE	INCHES	MM	DATE
-	1.37	35	*0161			
2	2.08	53	1950			
3	1.49	38	1954			
4	0.73	19	1969			
2	1.15	53	1977			
9	0.76	1.9	1974			
7	-	28	1961			
8	1.37	35	6961			
6	1.89	84	9961	-	-	1966
10	3,15	380	1961			
1:1		34	1977			
12	1.61	14	1970			
13	1.54	39	1966			
14		109	1972			
15		11	9961			
16	2,50		1952			
17		23	1946			
18	1,26	35	1971			
19	44.0	11	1961			
20	0.59	15	1972			
21	1,30		1951			
22		14	1964			
23	1.06	27	8561			
24	0.73	19	1968			
25	1.92	64	6561			
26	0.48	12	1970			
27	0.54	14	1963			
28	1.12	28	1960			
29	1.63		0			
30	1,13	29	1977			
31	1					
Monthly	4.31	101	1972	-	-	1966

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINOIS

STATION NAME

1945-1977

YEARS

DAILY EXTREME AMOUNTS

MONTH AUGUST

		-																																
SNOWFALL		MM																																
รัง	- 1	INCHES																																
N		DATE	1972	1963	1959	1977	1945	1951	1947	1968	1957	1971	1956	1956	1977	1945	1951	1968	1965	1961	1961	1958	1975	7961	_	1971	1954	1977	1974	1957	1955	1975	1945	1968
PRECIPITATION GREATEST		MM	21	27	36	25	10	45	12	26	31	27	53	40	-	31	10	46	34	54	01	12	96	22	30	33	34	10	54	19	10	47	53	49
PRE	1	크		1.06	1.53	86.0	0.38	1.76	0.48	1,03	1.22					1,21		3,10		96.0	0 * 40		2.21		1,40	16,1	1,33	0.40	96.0	0.73	0.62	1.85	1.16	3.10
	DAY			2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly

JUL V MONTH	ITATION SNOWFALL ATEST GREATEST	1	6 1659	68 1958	26 1954	16 1958	-	_	52 1964	67 1951	-	_	25 1962	~	-	-	-	0561 61	37 1969	_	7	58 1973	-	-	-	7	1	_	_	20 1962	-	-	16 1950
	PRECIPITATION GREATEST	INCHES	-	24						29.				1 96		610	.52	.74 1	***	.12	•36	• 28									.27	.68	0.62 16
	3	NAV -	-	2	8	4	2	9	7	80	6	10	=	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

OC TOBER MONTH

1974# 1974*

9461

1962

49 1961

1.92 0,40

20

19

0.92 1.36 1.30 1.10 0.18 94.0

21

22 23 24 25 26 27 28 29 30 31

1101

1969

1976#

1954 1955* 1972* 1967

127

2.0

1954

1973

0.80

69.0

Monthly

1952 1967

0.3

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0.47

28 1975

DAILY EXTREME AMOUNTS

JUNI I

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

14855 STATION

GLENVIEW, ILLINDIS

STATION NAME

1945-1977

YEARS

DATE INCHES MM GREATEST MM GREATEST MM 1973 MM 1959 MM 1950 MM 1955 MM

			MO	MONTH		
	PR	PRECIPITATION GREATEST			SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
	96.0	24	1977			
	2.48	63	1961			
	0.41	10	1970			
	0.57	14	1965			
T	1.14	53	1961			
Г	1.99	51	1970			
	0.32	89	1972			
Г	1.05	27	1948			
T	1.08	27	1970			
T	1.00	25	1962			
T	0.84	21	1953			
T	1.06	27	1961			
T	2.59	99	1961			
	0.94	54	1970			
	9900	17	1977			
	0.18	5	1954			
	1.88	4	1972			
	0.82	21	1953			
	1,12	28	1960			
	1.38	35	1965			
	1.14	59	1950			
Г	1:11	28	1965			
	1.34	34	1961			
	1.18	30	1973			
	2.08	53	1961			
	1.26	32	1951			
	0.80	20	1945			
T	1.32	34	1972			
	12.1	31	1973			
	1.00	25	1977			
Managhin	2 40	4.4	199			

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

DAILY EXTREME AMOUNTS

GLENVIEW, ILLINOIS

STATION NAME

NOVEMBER MONTH

GREATEST	INCHES MM	0.8 20	1 9 9 1	1.1	1.1 28	-	4.5 114	0.2	-	01 5.0	01 4.0	-	2.6 66	1.4 36	0.7 15	6.0	1.0 25	2.0	6.3	5.9 150	2.3 58		2.5 63	1.2 30	3.0 76	5.6 66	3.2 81	3.0 76	94 81	95 801	36
	1	1977	1961	8961	1959	1974	-		1966	1966		1961		1972			1962						1963	6561	1966	1952			1968	1261	187%
GREATEST	MM		-	13	-	01	-	-	18	35	1.1	3	-	33	02	52	50	2	-	12	13	2	53	* I	18	52	28	34	**	57	+
9	NCHES	0.73	69.0	0.53	1.64	0.39	0.63	0.33	0.71	1,25	0.65	0.13	09.0		0.19	1.00	61.0	69.0	0.77	65.0	09.0	0.18	16.0	0.56	69.0	96.0	1:1	1.32	1.73	96.0	-

1945-1977

YEARS

DECEMBER

1	-					
	PRE	PRECIPITATION GREATEST	NOL	80	SNOWFALL	-11-
DAY	INCHES	MM	DATE	INCHES	MM	DATE
	55.0	11	1977	0.9	152	1949
	0.75	6	1950	3.9	66	1964
	0.73	19	1955	2.0	51	1976
	66.0	57	1973	8.7	221	1964
	0.24	0	0961	1.3	94	1977
	1.0	100	1950	3.0	16	1950
	0.74	61	1969	3.5	68	1969
	14.0	01	1977	6.4	124	1958
	0.87	77	1953	0.4	102	1972
01	1.55	36	1971	2.2	56	1947
	1.24	31	1949	104	104	1963
12	1.12	28	1946	3.9	66	1972
13	0.37	5	1973	0.4	102	1945
	1.62	14	1975	12.6	320	1981
15	1.12	26	1971	2.1	53	1946
16	0.21	0	1961	7:1	28	1973
	0.33	9	1651	5.9	74	1981
18	0.67	1	1957	2.01	63	1948
19	64.0	15	1952	3.0	16	1973
20	1.23	31	1977	1.3	185	1977
21	1.10	202	1949	3.0	16	1951
22	69.0	20	1968	1.9	84	1953
23	1.00	52	6961	10.0	524	1969
24	1.30	33	1965	3.5	81	1991
25	0.50	5	1950	2.0	127	1950
26	0.30	6	1949	5.6	99	1950
27	0.80	20	1954	1.0	52	1957
28	06.0	23	1968*	0.8	173	1968
25	14.0	12	1954	4.1	119	1954
30	0.54	*	1972	4.5	114	1968
31	0.40	12	3	4.4	112	1957
Monthly	1.62		1975	12.6	320	1951

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

Monthly

NAVAL WEATHER SERVICE DETÄCHMENT ASHEVILLE, NORTH CAROLINA

NWSD, Federal Building

Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 Every month of a year must have valid observations present before the ALL MONTHS value is selected When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any

According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a wind speed for each direction. 5

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or è.

SURFACE WINDS

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(FROM DAILY OBSERVATIONS)

DAILY PEAK GUSTS IN KNOTS

48-77

GLENVIEW, ILLINGIS

14855 STATION

YEARS

YEAR	JAN.	ż	FEB.	MAR.		ď			JUN.	JUL.		AUG.	SEP		OCT.	NOV			MONTHS	S
45	SS	SMAS	3	300	SIES	57	SSE	2 4 0 4	25	2 2	29			SS	2 4	NSS M	SIESE MSE	7 5		
1.5	E S	51	1			3*	1	5	27	3 2	NN OF	4	1 2							
10 1	2		2	300	2	2.5	2	2	2	2	2	3	Z	270	2				1	-
5.5	35	-	3	3	400	COS.	3	30	*		ヨスのの		Z	2	n :	K	2		3	25
20	Z SZ	4	4		N	62	300	2		3	N		3	Z		ZZ	2		3	0
31				3	4 5 2	46	Z	44			end an						10	35		
55	303	Z 4 4	**		Z	39	55	37NE	40	7	0	* H	2	0		S.E.	9	31	N	30
53	× 55	47WS		-	0 % 5	× 50	ESE.	2	2	3	1	200	SSE	SANN		SSE	2	77	MSM	0
24	Z	40NN		-32	MOOG	44	3	NN9	-	3	30	6				322	111	64		
55	3	3955			0	62	255	-	60	10	2	-	- N	32N		NSM	12	36	32	
20	ZZ	SEE		70	0	10	Z	× 24	20	2	0	3		BANNE		X OZ	10	47	Z	58
53	SSW	42NN	1	-	2	E 3	N.S.	10	12	25	10	200	1	36N		-	7	38	E CO	65
58		Z		127	2	0.7	Z	0	*	3	29 WN	N	~	MSM		3	42MNW	35		
29	SSW	34MN	1		6.5	152.2	Z	8	gan	3	453			55		N S	10	30		
09	W ZZ	SONE		-	MS LS	45	ıc	NNOE	36	出てこ	0	3	SE	3155W	37	SSW	488W	37	ZZZ	ñ
10	3	33MS	1		855		W Z	6	00	3 2	30	m	S	40NN			45	14	SE	
62	35.00	35MN		-	S X S	4	in.	5	36		O	200	MSM	37WS		MOM	1E+	30	5	\$
63	3	34 NE	1		14	44.5	E SE	-	30	2	00	3	2	4 INN		25 W	485	04	3	3
40	7	438×			0	-	X	N	*	×	(1)	3	2	425		25	465	34	NS	3
65	Z	348	1		0	-	3	600	ta)	7	200	•	2	388		-	N94	48	Z	3
99	K	375			*	1	2	3	0		N	M	Z	36W		7	385	32	Z	0
67	S	4884	1		1		6	0	30			200	*	335		2	- C	32	0	0
0	Z	316		7	.0	443	100	37		-	MASS	3	25	SMEZ		w 2	# 1 H	64		
69	or;	300	1		0	1000	Z.	3	4		3	*	×	265		2	346	30	30	*
0	s	338			Z		3	384	4	3	N	•	×	285		3	40M	43	3	40
11	3	4322	1		3		27	N	40	100	5	3	N	3021		21	3718	48	22	02
72	53	4620			0		18	0	su au	31	-	m	123	3429		07	3929	30		4
7.3	23	3334	1		10		20	82	50	m	3	~	0	30				36		
74		35	4520		-	000	52	NO	36	-	13	~	Ni	2521	33	40	3003	36		
MEAN																				
S. D.																				
TOTAL OBS.											-									
																				į

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EXTREME VALUES

SURFACE WINDS

DAILY PEAK GUSTS IN KNOTS

YEARS

45-77

GLENVIEW, ILLINUIS

28 3826 4424 4425 4322 3819 3527 3528 4227 3 28 3828 4422 5025 4322 3819 3527 3528 4227 3 42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.4 42.4 37.2 35.4 42.7 5843 7.842 7.842 7.862 7.86710.265 9.442 8.943 7.82	YEAR	Z1	5026	E	7	ž	4	020	MAY 54	힉		27	3	9	SEI	OCT.	NO N	2	DEC.	MONTHS
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.300 8.052 7.5870.205 9.442 8.943 7.218 5.577 7.688 0	76		382	-	422			322	38		222	35.50		202				435	333	
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.800 8.052 7.5870.265 9.442 8.943 7.218 5.577 7.688 6																				
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.300 8.052 7.58710.265 9.442 8.943 7.218 5.577 7.688								+++										-		
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.218 5.577 7.688 6																				
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9																				
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9				-																
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.300 8.052 7.58710.265 9.442 8.943 7.218 5.577 7.688 6																				
42.4 40.4 45.2 45.8 41.8 41.5 38.4 37.2 35.5 38.0 41.9 10.437 7.842 7.300 8.052 7.58710.265 9.442 8.943 7.218 5.577 7.688 6					++-															
10.437 7.842 7.300 8.052 7.58710.265 9.442 8.943 7.218 5.577 7.688 6	MEAN	4	1	0,4	4	45.2	45.	30	8.14	14		4.8	7.6	-	35.5	38.0	-		38.1	
	S. D.	10.4	37	7.8	2	.300		-	587	0.26	0.	445		-	.218	5.577	+	9	332	Ш

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EXTREME VALUES

SURFACE WINDS

45-77

GLENVIEWS ILLINGIS

14855 STATION

YEARS

JBASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR	JAN.	FB.	MAR.	APR.	MAY	J.	JUL.	AUG.	SEP.	OCT.	× 0 ×	DEC.	MONTHS
45			9 4 1					c	c				MINDS
46						No.	1 × 3 3		>				200
0							10 19						DAYS
4.5		NNM 32			NSW 40				SW 26		ENE 40M	42	SONIM
		14			1.2				60		20	23	DAYS
85												55 W 36	SONIM
											0	14	DAVS
	SS# 38M	E 4				ENE 43		MUM 30	3055W 42MNW	95 MMM			SONIN
	20					7.7		52	61	92			DAYS
34									ENE 38				SONIN
									54				DAYS
200	NN 31								SSE 30				MINOS
	52								61				DAYS
65								55E 31	E S				SONIM
								25	0,				DAYS
99						or en							SONIS
						56							DAYS
13										25	903 18		SONIM
										~	-		DAYS
74	32 28												SONI M
2.5	3									92 30	3026 44		SONIA
											26		DAYS
15	25 32												WINDS
MEAN													
S. D.													
TOTAL ORS													

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MEAN WIND SPEED

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155

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OO HOURS (L.S.T.) A A L

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

YEARS

ALL WEATHER

CONDITION

4.6

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NN 2 2

z

100.0 TOTAL NUMBER OF OBSERVATIONS 17.4 31.0 26.4 15.5

0

0

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DIRNAVOCEANMET SMOS

LEENSTEIN SEE

14855

GLENVIEW, ILLINOIS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINDIS

14855 STATION

ALL WEATHER

YEARS

03 HOURS (1.8.T.)

A A N

CONDITION

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9.	p. 61		p. 61	2.6 2.6 1.9 1.9 1.9	2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .
Q.	9 2	9 2	2.0	2.0 1.9 1.9 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.9 2.6 1.9 3.9 2.6 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9
			2.6	2 2.6 1.9 .6 1.3 .6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	3.9 2.6 1.9 3.9 2.6 1.9 3.0 1.3 2.0 .0 3.2 6.5 3.9 1.3 2.6 3.9 .6
			0. 0.0000		3.9 2.0 3.9 2.0 3.9 2.0 3.9 2.0 3.9 3.9 2.0 3.9 3.9 3.9 2.0

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

GLENVIEW, ILLINDIS

14855 STATION

YEARS

0.6 HOURS (1.5.T.)

NAL

CONDITION

SPEED (KNTS) DIR.	.: ::	9.+	7 . 10	91 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	% AI	*	MEAN WIND SPEED
z		1.3	3.2	1.3								5.3	8.8
Z Z		9.	0.									1.3	5.5
Z.		1.3										1.3	5.0
ENE													
		9.	1.3									1.9	0.9
ESE		1.3										1.3	5.5
35													
SSE		9.	9.	9.								1.9	0.6
s	0	1.3	5.6									4.5	7.3
SSW	2.6	3.2	5.2	5.6	0.	9.						14.8	8.7
SW	9	9.	1.3	9.								3.2	
WSW	1.3	1.3	3.2	5.6								7.8	0.6
*	1.3	3.9	0.0	3.8	1.3							16.1	8.8
WNW	1.3	6.1	3,9	9.5								6.7	8.1
NN		3.2	5.6	1.3								7.1	7.7
NNW		3.2	1.3	1.9								6.8	8.2
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	1001	
	7.7	24.5	32.3	10.8	1.9	9.						100.0	6.9

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

HOURS (LS.T.)

NON HONTH

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER CONDITION GLENVIEW, ILLINOIS

73-77

MEAN WIND SPEED	9.2	5.5	3.0	0.6	0.6	7.2	0.9	7.0	8.1	0.6	11.4	8.2	8.0	10.8	7.2	8.6			7.9
*	3.2	1.3	9.	2.0	1.3	3.2	0.	1.3	4.8	10.3	5.5	8 . 4	21.3	20	12.3	5.8		4.0	100.0
85 A1																		X	
48 - 55																		\bigvee	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27											9.							\bigvee	9.
17 - 21													·					X	1.3
11 . 16	1.3			9.	9.				1.3	2.8	1.3	2.0	3.9	3.5	1.3	1.9		X	23.9
7 - 10	0.	5.		1.3		1.9		9.	3.9	1.3	3.2	3.0	4.8	2.0	5.2	0.	-	X	34.2
• ;	5.			5.	0.	9.	0.	0.	1.9	6.7			6.9		3.9	1.9		X	20.0
::	9	9.	ō			0			1.3	1.3		1.9	1.3		1.9	1.3		X	11.0
SPEED (KNTS) DIR.	z	Z	WZ.	ENE		ESE	35	SSE	s	SSW	35	WSW	3	WNW	*	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

12 NOURS (LS.T.) MONTH YEARS 73-77 ALL WEATHER CONDITION GLENVIEWS ILLINOIS

% WIND SPEED	7.1 9.6	1.3 9.0	1.3 7.0		1.9 9.0	2.6 11.0	1.3 6.5	3,2 7,6	9.0 6.5	5.8 10.4	9.6 0.6	14.2 8.5	20.0 10.6	7.1 9.9	7,1 8,1	5,2 8,4		3.2	
48 · 55 ≥ 256																		$\langle \rangle$	
41.47																		$\langle \rangle$	
28 - 33 34 - 40																		\bigvee	
22 - 27 28																		$\langle \rangle$	
17 . 21	9.										9.		2.6		9.				
11 . 16	2 1.3	0.			9.	1.9		9. 6	6.1 5	3.6	3.2	4 2.6	6.5	5 2.6		3 1.3		\bigvee	
7 - 10	9 3.2	9	9.	9	9.	0	9.	6 1.3	3 5.2	6.1 6	6.1 5	8.8	3 7.1	9 2.6	3.2	6 1 6		$\langle \rangle$	
;	1.	•	•	•	•	•	•	•	.6 1.	•	3.	.6 2.	2.6 1.	1.	.6 1.	1.		$\langle \rangle$	
:																		\bigwedge	
SPEED (KNTS) DIR.	z	Z	ž	EX.		ESE	35	SSE	•	SSW	SW	WSW	*	WNW	WN	NNN	VARBL	CALM	

0111

911

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

14855

6.9

MEAN WIND SPEED

×

128

8.3

3 2 2 6

100

9.9

8.4

11.0

21.9

6.9

2.6

11.3

3.2

14.0

9.

SURFACE WINDS

3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

15 HOURS (L.S.T.)

JAN HONTH

ALL WEATHER

CONDITION

48 . 55																
41 - 47																
34 - 40																
28 · 33																
22 - 27																
17 . 21		9.							-5	9.			5.1	9.		
11 . 16	3.2		9.			0.	9.	3.	1.9	7.9	3.5	3.5	0.6	5.1	9.	
7 . 10	1.9		9.		1.3	1.3	ð. 		5.6	0.0		0.5	6.5	3.9	6.7	1.3
• •	0.		0	7.9	1.9		9.					5.2	4.3	6.1	5.6	1.3

TOTAL NUMBER OF OBSERVATIONS

155

9.2

100.0

4.5

28.4

36.1

53.9

1.3

MNA

*

WSW

3.

SSW

w

VARBL CALM

*XX

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2.0

-

SMOS DIRNAVOCEANMET

14855

GLENVIEW, ILLINOIS

SPEED (KNTS) DIR.

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Z Z

w

SE SE

0

0

0

0

4.3 4.5

5.6

MEAN WIND SPEED

28 . 33

22 - 27

17 - 21

11 - 16

7 - 10

1.3

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9.0

7.1

2.2.60.6

5.7

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0

- 32 25 25

1 2 2 3 3 4

200-1

300

WSW WSW

SSW

s

WNW

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19.4

7.2

100.0

5.

19.4

28.4

31.6

13.5

0

9

1.9

VARBL

NNN

ž

CALM

3.5

8008

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

2000

73-77

1.8 HOURS (L.S.T.)

NONTH

WEATHER CLASS

CONDITION

λî						
48 - 55						
41 - 47						
34 - 40						

2.0

¥ = X

6.1

6.7

3.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

10

14855 STATION

GLENVIEW, ILLINOIS

TOTAL NUMBER OF OBSERVATIONS

0

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER CONDITION GLENVIEW, ILLINDIS

73-77

14855 STATION

21 HOURS (L.S.T.)

NAL

	17 . 21 22 . 27 28 . 33 34 . 40 41 . 47 48 . 55 2. 56	% WIND SPEED
3. 6. 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		3.2 6.4
3. 6. 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
3.2 1.3 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .		1.3 6.5
3.2 5.8 3.2 1.3 2.0 5.1 5.2 5.2 3.2 3.2 1.3 2.0 1.3 2.		
3.2 5.8 3.2 1.3 1.9 1.3 2.0 1.9 1.3 2.0 1.9 3.2 3.2 1.3 1.9 3.9 5.2 1.3 1.9 3.9 5.2 5.8 1.9 5.2 5.6 1.3		2.6 6.8
3.2 5.8 3.2 1.3 1.9 1.3 2.6 1.9 3.9 3.2 1.3 1.9 3.9 5.2 5.8 1.9 3.9 5.2 5.8 1.3 2.6 1.3		2.6 5.3
3.2 5.8 3.2 1.3 1.9 1.3 2.6 1.3 1.9 1.3 2.6 1.3 1.9 3.9 5.2 5.8 1.9 3.9 5.2 5.8		1.3 9.0
3.2 5.8 3.2 1.3 1.9 1.3 2.6 1.3 1.9 3.9 5.2 5.8 1.9 3.0 5.2 5.8 1.3 2.6 1.3		2.6 9.5
3.2 5.8 3.2 1.9 1.3 2.6 1.3 1.9 3.9 5.2 5.8 0. 5.2 3.2 1.9 1.3 2.6 1.9		5.2 9.8
3.2 5.8 3.2 1.3 1.9 1.3 2.6 1.3 1.9 3.9 5.2 5.8 .6 3.2 3.2 1.9 .1.3 2.0 1.9	6-1	13.5 9.5
1.9 1.3 2.6 1.3 1.9 3.9 5.2 5.8 6 5.2 3.2 1.9 1.3 2.6 1.9		13.5
9.6 5.2 5.8 6. 5.2 3.2 1.9 1.3 2.6 0. 1.9		7.1 6.6
.6 5.2 3.2 1.3 c.b	1.3	18.1
1.3 2.0 0. 2.0		
1.3 2.6		2.6
		6.3
		8.
11.6 28.4 27.1 21.9 2.6	2.0	100.0

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL HOURS (L.S.T.)

NON

ALL WEATHER

COMDITION

SPEED (KNTS) DIR.		•	7 - 10	91 . 19	17 . 21	22 · 27	28 - 33	34 · 40	41 . 47	48 · 55	% AI	*	MEAN WIND SPEED
z	s.	1.1	6.1	1.1	1.							4.7	8.2
NNE	. 1	4.	.2	7	1.							6.	7.5
NE	.2	•	.5	1.								1.1	7.
ENE		9.	1.0	~.								1.8	7.7
	. 2	7.2		4.								2.6	6.5
ESE	2.	•	80	·.								2.3	8.
SE	• 1	•		ď.								1,3	8.3
SSE	2.	**	30.	4.								1.8	8.3
•	9.	-7	3.0	1.9	2.							6.7	6
SSW	5	2.8	20.00	3.2	4.		-					1001	6
SW	1.4	3.1	6.1	1.5	.2	7.						8.1	1.
WSW	1.7	2.6	0.4	4.5								10.6	7.8
*	1.8	7.5	6.5	5.3	7.0							19.1	6
WNW	1.1	1.6	3.8	2.3	7.							0.6	8.3
NN		5.4	2.5	0.	•							6.4	7.0
NNN	6.	2.0	2.0	1.0								5.9	7
VARBL													
CALM	\bigvee	X	X	X	X	X	\bigvee	X	M	\bigvee	X	7.7	
	10.2	25.2	32.7	21.5	2.5	.2	•1					100.0	7.

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

GLENVIEW, TLLINDIS

1 + 1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

12156 52181

14855 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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NOURS (L.S.T.)

FE ES

SURFACE WINDS

73-77 GLENVIEWS ILLINDIS

ALL WEATHER

CONDITION

WEAN WIND SPEED	8.1	14.0	13.5	8.4	0.7	7.3	4.3		9.6	9.3	7.8	7.6	6.9	5.2	6.3	8 . 4			6.8
×	5.0		4.3	3.5	5.7	2.1	2.1		7.1	5.7	9.5	4.9	14.2	00	4.0	4.0		13.5	100.0
% AI																		X	
48 - 55																		X	
41.47																		X	
34 - 40																		X	
28 · 33																		X	
22 - 27																		X	
17 - 21	. 7																	X	1.4
11 - 16			2.8	1.4	1.4				3.5	7.4	1.4	1.4	2.1		۲.	1.4		X	19,1
7 . 10	2.1		1.	1.4	7.4	7.4			1.4	2.8	4.3	2.1	4.3		1.4	60		X	27.7
•	2.1				2.8		7.4		2.1	1.4	2.1	-	0	3.	2.1			M	27.
·											1.4	1.4	1.4	2.8	2.1			X	11.3
KNTS)	z	N.	¥	ENE		ESE	SE	SSE	S	SSW	NS.	WSW	*	WNW	¥	NNN	VARBL	CALM	

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

9110

03 HOURS (L.S.T.)

HONTH

YEARS

73-77

GLENVIEW, ILLINOIS

14855 STATION

ALL WEATHER

CONDITION

MEAN WIND SPEED
*
85 85
48 - 55
. 10 11 16 17 21 22 27 28 33 34 40 41 47 48 55
34 - 40
28 · 33
22 · 27
17 - 21
. : 6
7 . 10
*
1.3
SPEED (KNTS) DIR.

SPEED (KNTS) DIR.	£	• •	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z				1.4	1.							3.5	=
W X			. 7									1.4	8.0
¥		7.1	. 7									2.5	9
ENE				2.1								6.3	12,3
-			2.1									2.8	6.8
ESE		. 7	. 7									1.4	
35		7.4										2.1	4.3
SSE		. 7	1.	1.								2.1	
5			. 7	1.4								2.1	12,3
SSW	1.4	3,	2.1	2.8	4.							10.6	8.1
AS.		æ. €.	2.8	1.4								7.8	7.5
WSW		80.	3.5	.7								7.8	7.5
*	2.1	4.	W.	1.								10.6	0
MNA.	2.1	5.7	3.5									12.1	6.2
¥		3.5	7.4									5.7	5.8
NN.		2.1	1.4	. 7								5.0	7.1
VARBL													
CALM	\bigvee	X	M	X	M	X	\bigvee	\bigvee	M	X	\bigvee	17.0	
	10.6	31.	25.5	13.5	2.1							10000	6.2

DIRNAVOCEANMET SMOS

0

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0

9.2 8.0 8.6

MEAN WIND SPEED

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8.3

6.5 0.9

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5.000

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SSW

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SE SE

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4 2 8 6 8 8

3 2 3 2 4

WSW

3K

WNW

*

VARBL CALM

*NZ

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35.26

2.1

5.0

6 12.1

6.7

8.9

10.6

5 5 7

6.2

100.0

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14.9

27.7

22.7

16.3

16.3

141

SURFACE WINDS

2000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINGIS

14855 STATION

YEARS

ALL WEATHER

CONDITION

D6 HOURS (L.S.T.)

6.58 MONTH

> > 1.4

7.4

4 . 4

11 . 16

7 - 10

4 . 6

1.3

SPEED (KNTS) DIR.

W N

z

EN EN

-

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0.0

NO

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER GLENVIEW, ILLINGIS

CONDITION

09 HOURS (L.S.T.)

F F B

YEARS

73-77

(KNTS)	1.3	*;	7 . 10	11 . 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z	. 7	۲.		2.1								3.5	9.8
NNE		1.	2.1	. 7								3.5	8.8
a z			1.4	2.1								3.5	11.2
ENE		. 7	2.8	.7								5.0	8.1
3			2.1									4.3	10.0
ESE													0.9
SE		1.4	1.									2.8	7.3
SSE			. 7	. 7								2.1	8.7
s		1.	1.4	1.4								3.5	9.6
SSW	2.1	1.4	4.9	1.4								11.3	7.3
SW	r.	2.8	3.5	2.8								10.6	8.9
WSW				2.8								4.3	11.2
*		5.0	2.1	1.4	1.4							10.6	8.7
WNW		0.0	3.5	2.1	.7							12.1	7.6
×	1.4	4.3	2.0	1.4								6.6	7.0
NNN	1.	1.4	2.8	. 1	.7							9.9	0.6
VARBL													
CALM	\bigvee	X	X	X	X	X	X	\bigvee	\bigvee	\bigvee	X	5.7	
	7.8	27.0	33.3	22.0	4.3							100.0	8.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

DIRNAVOCEANMET SMOS

141

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

8600

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

GLENVIEW, ILLINGIS

14855 STATION

YEARS

CONDITION

7 - 10

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SPEED (KNTS) DIR.

0

2.1

2.1

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2.8

12 HOURS (1.5.T.)

FEB

8.4.8 11.0 10.4 9.3 9.2 9.5 MEAN WIND SPEED 120224 9 2 3 -. 100.0 7.1 12 48 - 55 41 . 47 34 - 40 28 . 33 22 - 27 4 . 3 7 . 1 . . . 17 - 21 33.3 - 4 - - 4 -11 - 16 33.3 2.0 8 6 2222222 4 . 1

7 7 8 7 7

WSW

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SSW

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22.7

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CALM

0

VARBL

NNN

SMOS DIRNAVOCEANMET

0

7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

YEARS

15 HOURS (L.S.T.)

FER

CONDITION

DIR.	4.6	7 . 10	31 . 11	17 - 21	72 - 22	28 - 33	34 - 40	41 - 47		48 - 55	48 · 55 > 56	
NNE	. 7	.7							1			200
Ne .	2.8	2.1	2.8						1			33 30
ENE	1.4	4.3	1.4									7.1
9	2.1	2.1	2.1						1			4.4
ESE	1.4											2.1
38	1.4											2.1
SSE		. 7										•
٢.		2.8	2.1									5.7
SSW		2.8	3.5									4.9
NS.		1.4	4.3									4.9
wsw		4.3	2,8	1.4								8.5
	1.4	2.1	4.3	1.4	1.4							5.41
WNW.	2.1	2.8	3.5									2.6
W		2.1	2.1									2.0
*	2 . 1	2.8	1.4									4.9
VARBL												
CALM	X	M	X	\bigvee	X	X	\bigvee	\bigvee	\wedge	\bigvee		1.
2.8	18.4	36.2	34.8	30	2.8							0.001

0 0

SMOS DIRNAVOCEANMET

0

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1550

14855

GLENVIEW, TLLINDIS

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855

0

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, ILLINDIS

1.8 HOURS (L.S.T.)

F E B

MEAN WIND SPEED	6.8	10.4	9.6	6.9	6.5	4.7	0.4	9.5	7.6	7.3	9.6	10.0	7.9	7.5	7.7	8.7			7.7
*	7.1	2.0	4.9	5.7	7.8	2.1	4.	4.3	3.5	6.9	8.5	4.3	17.0	7.00	4.0	2.1		2.8	100.0
N 98																		\bigvee	
48 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 . 21		1.4																X	2.8
11 . 16	1.		1.	1.4	1.4			2.1		7.7	3.3		5.0	2.1	4.			X	20.6
7 - 10	2.8	. 7	6.4	1.4	1.4				2.1	3.2	*		4.0	7.4	2.1			\bigvee	29.1
• •	2.1	. 7	1.4		3.5	2.1		1.4		5.8	3.3	2.1	5.1	3.3	2.8			X	35.5
.:	1.4	7.6			1.4								1.4						2.6
SPEED (KNTS) DIR.	z	N.	w Z	ENE		ESE	SE	SSE	•	SSW	NS.	WSW	*	WNW	**	NNN	VARBL	CALM	

21 HOURS (L.S.T.)

NON THE B

1+1

TOTAL NUMBER OF OBSERVATIONS

0

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	YEARS
73-77	
LLINUIS	STATION NAME

CLENVIEW, I

14855 STATION

ALL WEATHER	CLASS	KOLLION

SPEED (KNTS) DIR.		9:+	7 . 10	91 - 11	17 . 21	22 . 27	28 · 33	34 . 40	41 - 47	48 - 55	% Al	×	MEAN WIND SPEED
z		1.4	1.4	4.1								4.3	9.2
NN		7.4		1.4		.7						4.3	10.8
a z	۲.	7.1	2.1	1.4	.7							4.9	9.1
ENE		1.	1.4	. 7								2.8	9.5
-	1.4	1.4		1.4								9.9	7.6
ESE	1.				. 7							2.1	8.7
SE			1.									2.1	0.9
SSE	. 7		1.4									2.8	8.0
8	۲.	7.4		2.8								4.9	9.3
SSW	1.4	1.4		3.5								6.4	8.9
SW	1.	2.8	4.3	2.1								6.6	7.9
WSW	1.4	7.1	1.4	.,								5.0	6.9
*	£ . 4	2.1		2,8	1.4							14.9	8.0
WNW	1.4	8.2	2.1	1.4								7.8	
××			8.2									2.8	7.8
NN.		2.1	2.1	1.4								5.7	7.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6 6	
	14.9	21.3	28.4	22.0	2.8	.7						10000	7.3

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

12295 62131

14855 STATION

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

ALL HOURS (LS.T.) FEB YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, TLLINUIS

MEAN WIND SPEED	5 9.1	6.6	1.6 2	0.6 6	3 / 3	7 7.1	7 6.1				0 9.2		1 8.2	5 7.3	2 7.8	9 8.3		5	7.7
*	4.5	2.8	5.2	6.4	5.8	1.7	7	2.0	*	0.8	0.6	9.9	13.	6.6	6.2	6.6		8.5	100.0
% %																		\bigvee	
48 · 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27	.2	7.									7.		. 2	7.				X	-
17 - 21	.2			.2	7.	-				7.		4.	.4	7.	.2	٦.		X	3
11 . 16	1.2		1.6	1.2	1:1	.2	~	5	2.0	2.5	2.7	6.1	5.4	5.7	1:1	1.3		X	32.5
7 . 10	1.0		2.0	5.0	2.2	•	73	0.	1.9	2.8	3.1	2.0	4.2	5.5	2.2	2.3		X	30.1
• •	1.6		1.0	1.2	5.7		J.	•	•	1.1	2.1	7.0	3.8		2.1	1.00		X	7.7
£:-	3.	3.	3.			7.	J		3.	0.	9.		1.9	1.4	9.	4.		X	0
SPEED (KNTS) DIR.	z	W.Z	¥	S. S.		ESE	35	SSE	5	SSW	NS.	WSW	*	WNW	ž	MNN	VARBL	CALM	

=

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

HOURS (L.S.T.)

MONTH 00

YEARS

73-77

GLENVIEW, ILLINOIS

14855 STATION

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

CONDITION

5.8 7.4 5.6 5.7 6.8 7.7 9.4 9.9 MEAN WIND SPEED 7.7 3.2 3.9 7.7 5.5 9.7 2.6 20.6 100.0 * 1 2 2 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 1.96 4.5 17 - 21 00000 1.3 2.6 18.7 11 - 16 3.2 1.96 1.9 4 0 0 1.3 24.5 7 - 10 22222222222 7 ·0 20.0 4.6 11.6 0 .. SPEED (KNTS) DIR. N N WSW WSW NN. CALM N N VARBL SSW E E SSE SE SE * 8 •

1286

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1550

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

GLENVIEW, ILLINDIS

YEARS

MAR	MONTH	03	MOURS (L.S.T.)

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SURFACE WINDS

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- 1	
- 1	

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	12 - 71	22 - 27	28 - 33	34 - 40	27 - 17	48 - 55	× × × × × × × × × × × × × × × × × × ×	*	WIND
z	1.3	9.			9.							2.6	7.3
W.Z		5.	1.3									1.9	8.0
ž		1.9	2.6	1.9								6.3	
Z.		9.	2.6									3.2	8.2
		1.9	es -	9.								3.9	7.0
ESE			1.3	9.								6.1	9.7
SE	\$.	-	\$.	•								3.2	6.8
358		9.	-0	0.								1.9	
s		0.	3.2									4.5	9.1
SSW	1.9			1.3								4.5	7.1
AS.		3.2	3.2	3.2	9.							10.3	9.5
WSW	9.		1.3	9.								3.2	10.2
*	3.2	3.2	5.1	1.3	1.3							11.0	7.5
WNW		3.2	2.0	1.9								7.7	8.0
32	9.	7.	2.6	9.								5.2	
NNN	9.	•	2.6		0.							4.5	9.4
VARBL													
CALM	\bigvee	X	X	\bigvee	23.9								
	0.6	20.0	29.0	14.2	3.9							100.0	6.3

DIRNAVOCEANMET SMOS

14855 STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

0.6 HOURS (L.S.T.)

MAK

CONDITION

SPEED (KNTS) DIR.	1.3	9:+	7 - 10	11 . 16	17 . 21	22 - 27	28 · 33	34 - 40	41 . 47	48 - 55	VI 95	*	MEAN WIND SPEED
z	1.3	1.	1.9	1.3								5.8	7.7
ZZ	9.	1.9	1.3	1.3	9.							5.8	8.2
Z.		9.	1.3									1.9	7.7
ENE		1.9	1.9									3.9	7.0
F	9.	1.3	3.2	9.	9.							6.9	8.6
ESE		9.	9.									1.3	7.0
38		1.3	9.									1.9	6.3
SSE				9.	9.							1,3	15.0
s	5.6	1.	1.9	1.3	1.3							0.6	7.7
SSW	9.	•		1.9								3.2	9.6
SW	1.3	9.	4.5	3.2								6.1	9.5
WSW	9.	•	Ç.	9.								2.6	8.3
*	1.3	2.0	3.2	9.								7.7	7.3
WNW	1.3	1.9	3.9	1.3	9.							0.6	8.2
×	1.3		9.	9.								2.6	0.9
NNW	1.3	9.	4.5	9.								7.1	7.5
VARBL													
CALM	\bigvee	X	X	X	X	X	X	X	X	X	\setminus	50.6	
	12.9	1.8	30.3	14.2	3.9							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

GLENVIEW, ILLINGIS

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2004

HOURS (L.S.T.)

MONTH

YEARS

73-77

GLENVIEW, ILLINUIS

14855

ALL WEATHER

SURFACE WINDS

CONDITION

1.3	• •	7 - 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	4 - 4	48 - 55	% AI	×	WEAN WIND SPEED
9.		1.3	2.6	9.							5.2	11.4
	1.3	1.3	3.2								5.8	10.2
	1.3	1.3									3.2	8.2
0	9.	2.0	9.								4.5	8.1
3	9.6							and the same			10.3	7.8
I.	9. E	1.9									3.9	5.00
	0.										2.6	8.3
	0.	6:1	9.								3.2	8 . 4
0.	9	3.9		1.9							7.1	10.8
0	5 1.3	3.2	1.3	5.7							4.00	10.7
0.	0.	5.0	4.6	1.3							7.7	10.4
1.	~	5.1	1.9								5.2	0.6
	9.	3.5	1.9								200	6.6
	2.6		3.2								8.4	
	1.03	2.0									5.2	8.4
9.	2.6	1.9									7.1	4.9
X	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6.5	
7.	1 18.7	39.4	22.6	5.8							10000	8.6
			-									

0

10.1

100.0

9.

2.6

3.2

34.8

33.5

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

ALL WEATHER

CONDITION

12 HOURS (L.S.T.)

MAR

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

SPEED (KNTS) DIR.	1.3	9 :	7 . 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	95 AI	*	MEAN WIND SPEED
z			9.	2.6								3.2	11.4
NNE		1.3	2.6	3.9								7.7	10.8
N.			3.9	1.9								5.8	9.6
ENE		2.6	2.6	9.								30	7.7
	9.	3.	9.	2.6								7.1	8.5
ESE	9.	1.	1.9	1.3								5.2	8.5
SE		1.3	1.9	1.3								4.5	8.4
SSE		1.3	9.	1.3								3.2	8.8
s		9.	1.9	3.2	9.							6.5	11.2
SSW	9.	•	1.9	1.3	1.3	1.3						7.1	13.6
SW		Ç.	9.	6.3	9.							6.5	13.0
WSW		1.9	2.6	3.9		9.	9.					4.6	12.3
*		9.	1.9	5.6								5.5	12.0
WNW.				1.3	9.	9.						6.9	11.2
NW		3.9	4.5	5.1								10.3	8.1
MNN		1.3	1.9	9.								3.9	0.6
VARBL													
CALM	X	X	X	X	X	X	X	X	\bigvee	X	X	6.1	
		1	1		1								

TOTAL NUMBER OF OBSERVATIONS

0

0 0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND	DIRECTION AND SPEED	(FROM HOURLY OBSERVATIONS)
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SURFACE WINDS

MAR	HONTH	15	HOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	CLASS	MOITIGNOO
GLENVIEW, ILLINDIS	STATION MARE			

MEAN WIND SPEED	8.8	6.6	7.7	8.4	7.3	8.0		8.0	9.5	14.3	16.3	10.6	11.2	11.3	10.1	10.8			10.1
×	3.9	7.1	7.1	7.1	11.6	1.9	5.2	9.	7.1	6.5	7.7	6.8	4.6	6.5	5.5	5.2		1.3	100.0
95 4																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27											1.9							X	1.9
17 - 21										<u>ه</u>	2.0		1.3	25.		1.3		\bigvee	9.7
11 . 16	9.	3.2	1.3	5.0	5.6		5.6		1.9	3.2	1.3	1.9	3.9	0.	5.6	1.3		X	29.7
7 . 10	2.0	2.6	3.2	1.9	3.5	7.9	1.3		4.5	1.3	9.	0.	3.2	3.9	1.9	9.		X	34.2
9:+	9.	1.3	0.1	1.9	4.3				0.			7.9	1.3	9.	9.	1.3		X	19.4
1.3			9.	9.	1.3							5				0		X	3.9
SPEED (KNTS) DIR.	z	NXX	ž	ENE	w	ESE	SE	SSE	s	SSW	S.W	WSW	*	WNW	¥	322	VARBL	CALM	

200

14855 STATION

SURFACE WINDS

-

1.6 HOURS (L.S.T.)

MAR

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

ALL WEATHER

CONDITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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MEAN WIND SPEED	9.1	8.3	7.7	5.0	6.2	6.8	7.4	6.5	8.3	13.7	8.8	7.8	10.9	7.6	7.5	13,3			8.0
*	5.8	7.7	7.1	6.5	11.6	3.2	5.2	1.3	4.5	4.3	6.5	7.7	11.0	6.5	3.9	2.6		4.5	100.0
95 Al																		X	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 · 40																		\bigvee	
28 · 33																9.		\bigvee	9.
22 - 27																		\bigvee	
17 . 21										9.			6					X	2.6
91 . 16	1.9	5.6	1.9	9.	1.3	0.			9.	5.6	3.2	0	3.2	9.	9.	9.		X	21,3
7 . 10	2.6	2.0	1.9	1.3	3.9	2.	4.	20.	2.6	1.3	9.	3.2	2.0	8.0	1.3	9.		X	34.2
*	1.3	1.9	1.3	3.2	4.0	9.	9.	9.	1.3		9.	3.9	3.2		1,3	•		X	25.2
		0	Ch.	1.3	1.9	1.3					1.9			1.9	•			X	11.6
SPEED (KNTS) DIR.	z	N.	¥	Z		ESE	35	SSE	8	SSW	NS.	WSW	*	WNW.	×	MNN	VARBL	CALM	

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DIRNAVOCEANMET SMOS

0074

155

TOTAL NUMBER OF OBSERVATIONS

0

TOTAL NUMBER OF OBSERVATIONS

0

0

5702 SURFACE WINDS JAN 78

MAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

73-77 ALL WEATHER

GLENVIEW, ILLINOIS

14855

YEARS

21 HOURS (L.S.T.)

MAR

CONDITION

SPEED (KNTS) DIR.	1.3	9 · +	7 - 10	11 - 16	12 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	85 VI	*	MEAN WIND SPEED
z	0	1.9		1.9								4.5	7.3
NNE		4.9	1.3	1.9	•							7.1	8 . 8
¥	1.	9.	3.2									5.2	4.9
ENE	9.	9.	1.3	0.								3.8	7.4
	2.6	7	2.6	1.3								7.1	6.8
ESE	1.3	ġ.	0.	1.3								3.9	7.8
SE	1.3	_	- ·	9.								5.2	6.5
SSE	1.5	1.3	5	9.								5.2	7.4
s	9.	9.	1.3	1.3								3.9	9.5
SSW	1.3	~	3.	3.5	9.							7.1	10.4
XS.	\$0.	5. T	9.	6.7								5.2	0.6
WSW	1.3		1.9									5.2	7.0
*	1.3	4	2,6	4.5								12.9	8.8
WNW	1.3	6.1	2.6									6.5	6.8
¥	0	0.	9.	9.								2.6	6.8
MNW		1.3										1.3	4.5
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	X	13.5	
	17.4	23.9	22.6	21,3	1.3							100.0	6.8

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HOURS (L.S.T.)

MAR

1240

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

CONDITION

ALL WEATHER

SPEED (KNTS) DIR.	1.3	9.4	7 . 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 40	41 . 47	48 - 55	8 Al	*	WIND SPEED
z	9		1.2	1.5	.2							4.2	8.8
N.	100	1.5	1.7	2.1	2							5.8	9.4
Z	0	1.	2		1.							5.1	8.1
ENE	30	,		3								5.2	7.5
	1.0	2.		1.3	• 1							7.7	7.4
ESE	1.0	5.	1.1	0.								3.3	7.2
35	.2	1:1										3.7	7.7
SSE	2	•		S.	1.							2.6	
~	un.	•		1.2	9.							0.9	9.6
SSW	9	•		2.1	•	.2						8.9	11.3
NS.	0	-			00	.2						7.7	10.9
WSW		1.4		1.5	.2		•					5.6	9.3
*	1.0	2		2.6	0.							9.1	
WNW.	0	7.	3.4	1.3	6	,						7.2	8.7
¥	4.	7.	1.9	7.4								5.0	8.2
NNW		1.1	7.6		.2		•					6.3	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	11.6							
	7 0	00	31.0	1,66	4.4	7	6					0001	100

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

GLENVIEW, ILLINUIS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

-

SURFACE WINDS

73-77

GLENVIEW, ILLINOIS

14855 STATION

YEARS

ALL WEATHER

OO HOURS (L.S.T.)

APR

CONDITION

SPEED (KNTS) DIR.

SSE

8

ESE .

SW WSW WNW

*

3

¥ZZ VARBL CALM

WIND SPEED	9.2	1001	0.6	10.5	5.2	6.9	6.3	9.9	8.4	5.8	6.1	.3	0.6	8.7	4.0	9.5
*	0.4	6.6	5.3	0.4	0.4	4.7	2.0	4.7	8.0	6.7	5.3	4.7	4.7	0.4		2.7
% A1																
48 - 55																
41 - 47																
34 . 40																
28 - 33																
22 - 27		. 7		. 7												
17 . 21		1.3														
9 .	1.3	2.0	2.0	1.3		1.3			2.0	1.	.,	1.3				
7 · 10	1.3	2.0	2.0		1.3				3.3	2.0	1.3		2.7	2.7		1.3
• •		1.3		1.3	1.3	1.3	1.3		1.	2.0	1.3	1.3	1.3			
1.3	1.	2.0			1.3	1.3		2.0	2.0	2.0	2.0	1.				
	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-

TOTAL NUMBER OF OBSERVATIONS

150

5.9

100.0

1.3

1.3

15.3

22.7

17.3

16.7

0

0

25.3

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

A P R

HOURS (L.S.T.)

200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

GLENVIEW, TLLIMDIS

14855

YEARS

COMBITION

SPEED (KNTS) DIR.	1.3	9:1	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 . 55	85 VI	*	MEAN WIND SPEED
z		1.3	2.0	. 7								4.0	8.2
NA.	0.4	1.3	1.3	.7	. 7							8.0	6.8
w Z	1	2.0		1.3	1.3							7.3	6.6
Z	.7			2.0								0.4	8.8
¥		1.3	2.0									3.3	7.4
ESE	1.3	1.3	1.3	1.3								5.3	7.3
SE			.7									1.3	5.5
SSE		. 7		.7								2.0	8.7
•	1,3	1.3	2.7	1.3								6.1	7.7
SSW		1.	5.3	2.0								0.8	9.4
SW	7.	2.0	1.3									4.7	7.1
WSW			2.7									8 8	7.4
*	1.3	2.7	1.3	1.3								6.7	7.0
WWW	1.3		1.3									2.7	5.5
¥	2.0	1.3	2.0									5.3	5.3
NNW		2.0										2.7	5.8
VARBL													
CALM	X	\bigvee	\bigvee	X	X	X	\bigvee	X	\bigvee	\bigvee	\bigvee	24.7	
	13.3	20.7	27.3	12.0	2.0							100.0	5.7

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0

0

0

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

HOURS (L.S.T.)

A P R

YEARS

73-77

GLENVIEW, ILLINDIS

14855

WIN			•
*	4.7	0.8	-
95 21			
48 · 55			
7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55			
34 - 40			
28 . 33			
22 - 27			
17 . 21			
11 . 16	1.3		
7 . 10	1.3	2.0	١
9:		1.3	
1.3	1.3	2.7	-
SPEED (KNTS) DIR.	z	W.	

SPEED (KNTS) DIR.	3	• •	7 - 10	91 . 15	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	95 Al	*	MEAN WIND SPEED
z	1.3		1.3	1.3								4.7	7.4
Z	2.7	1.3	2.0	2.0								8.0	7.2
Z.	1.3	2.7	1.3	1.3	1.3							8.0	8,5
ENE	. 7		2.7	.7			.7					4.7	11.4
		1.3	2.0	1.3								E • 5	7.8
ESE		.,	1.3	1.3								0.4	7.8
SE												2.0	4.7
SSE	1.3	1.3										3.3	
s		2.0	1.3	2.0								0.9	
SSW		•	2.0	2.7								0.9	9.6
XS.		4.0	2.7									7.3	6.4
WSW		2.0	1.3	. 7								4.7	6.9
*	1.3	3.3	1.3									6.7	0.9
WNW		1.3	1.3									3.3	2.0
¥	2.0											3.3	5.0
NNN		2.0	•									2.1	5.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	20.0	
	16.0	25.3	22.0	14.7	1.3		.7					100.0	5.8

DIRNAVOCEANMET SMOS

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5702 SURFACE WINDS JAN 78

SURFACE WINDS APR

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

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HOURS (L.S.T.)

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

CONDITION

ALL WEATHER

DIR.	1.3	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	×	WIND
z		2.0	2.0	3.3	. 7							8.0	10.1
N N	1.3	۲.	2.7	2.0	3.0							8.7	11.2
W.			2.7	2.7		1.3						1.0	13.4
ENE		2.0	4.7									7.3	7.5
-		2.7		2.0								5.3	7.5
ESE			2.0		1.							0.4	10.0
SE			50									0.4	
SSE		1.3	1.	1.								2.1	8.5
		2.0	4.7	0.5	1.3							10.0	6.6
SSW		2.0		3.3								8.0	1
NS.			3.3	1.3								6.7	8.5
WSW		2.7		2.7								0 8	0.6
*			2.7	1.3								4.7	8.0
MNA.		۲.	2.7									0.4	8.8
×		1.3	1.3	. 7								3.3	8.4
NNN			1.3									2.0	6.7
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6.7	
	4.7	20.0	38.7	23.3	5.3	1.3						10000	8.8

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DIRNAVOCEANMET SMOS

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150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

SURFACE WINDS

8888

12 HOURS (L.S.T.)

APR

YEARS

73-77

GLENVIEWS ILLINDIS

14855 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER CONDITION

1			
1			
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1			

SPEED													MEAN
(KNTS)	1.3	9.+	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 · 40	41 - 47	48 · 55	% %	*	SPEED
z		1.3	1.3	2.7								5.3	10.0
W.Z			2,0	4.7	1.3							8.7	12.5
ž		1.3	3.3	2.0		1.3						8.7	12.2
ENE			0.0									6.3	8.1
		2.7	5.3		1.							6.3	8.
ESE			2.7	2.0								5.3	10.4
SE												1.3	11.0
SSE			2.0	1.3								0.4	10.2
s	2.0	2.0	2.0	2.0	1.	. 3						6.3	9.6
SSW			3	4.7								8.0	11.9
NS.			2.0	2,7								5.3	12,8
WSW		1.3	1.3	1.3	1.3							5.3	11.5
*			1.3	2.7		.7						6.7	10.7
WNW		2.7	2.7	2.0								7.3	8.9
×				1.3								2.7	10.8
NNN		1.3										2.0	5.7
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	1.3	
	2.7	19.3	37,3	31,3	8.3	2.7						100.0	10.3

0

0

0

0

0

0

0

0

0

150

TOTAL NUMBER OF OBSERVATIONS

MEAN WIND SPEED

7.9

6.0

9.3

13.7

0880

15.0

1.3

202

2.1

2.7

wsw wsw

- 12 22 22 v

*

.7

10.4

150

10.5

100.0

7.3

34.7

40.0

14.0

. 7

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS ALL WEATHER

15 HOURS (L.S.T.)

APR

11.3 0 6 6 * 12 55 84 . 47 7 4 3 3 28 27 22 1. . 5 17 3.3 2.0 11 - 16 44867 7 - 10 2.7 SPEED (KNTS) DIR. Z SSW Z Z

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAW WIN

VARBL CALM

> 0 0

0

0

1

14855 STATION

GLENVIEW, ILLINDIS

0.00

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

i

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

APR	MOMTH	18	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	CONDITION
GLENVIEW, ILLINDIS	STATION NAME			

SPEED (KNTS) DIR.	1.3	•	7 - 10	11 . 16	17 - 21	22 . 27	28 - 33	34 - 40	4 . 4	48 . 55	3 5	*	MEAN WIND SPEED
z			1.3	1.3								2.7	10.8
NN.	1.	2.1	4.0	4.0		1.						12.0	10.0
w z			0.4	2.7								12.0	8.8
ENE	1.3	0.4	1.3									8.7	8.8
			2.0	.,								8.7	4.9
ESE	1.3	2.0	3.3									6.7	0.9
SE		1.3	1.3									3.3	5.8
SSE												2.0	6.3
0			7	4.7	1.							7.3	12.9
SSW		1.3	2.7		. 3							2.4	9.1
3W		2.0		2.7								7.3	9.1
WSW			2.7	2,0								4.7	10.3
3			2.7	4.7	e - 1							6	12.1
WNW			1.3	4.								2.7	8.0
¥		•		.7								2.0	7.0
NNN			3,3									3,3	8.6
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	M	X	X	\bigvee	\bigvee	2.7	
	8.0	25.3	34.0	25.3	8							10000	8.9

1000

DIRNAVOCEANMET SMOS

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1	
1	
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1	
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SPEED (KNTS) DIR.	1.3	•	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 · 40	41.47	48 - 55	% AI	*	MEAN WIND SPEED
z	2.7	1.3	3.3	1.	. 7	.7						9.3	8.3
N.		2.0	2.7									5.3	8.0
¥	1.	2.0		1.3								7.3	8
ENE	. 7			1.3	. 7							0.4	9.2
	1.3		1.3	1.								7.3	5.6
ESE	1.											2.0	7.0
SE	2.7	1.3										4.0	3.2
SSE	1.3		2.0	. 7								4.0	7.3
s	1.3	3.3		1.3	.7							6.3	7.6
SSW	. 7	1.3	. 7									3.3	6.2
SW			.7	2.0								7.3	8.2
WSW	2.0	-	2.0									5.3	5.4
*			2.7	2.0	.7							0.0	11.1
WNW.	7.		1.3									2.0	7.0
××	. 7	1.										1.3	3.0
NN.				.7								1.3	8.0
VARBL													
CALM	\bigvee	X	X	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	20.7	
	16.0	24.	22.0	12,7	3.3							100.0	5.9

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YEARS

73-77

21 HOURS (L.S.T.)

APR

ALL WEATHER

CONDITION

GLENVIEW, ILLINDIS

14855 STATION

10.0

8.3

MEAN WIND SPEED

1200

TOTAL NUMBER OF OBSERVATIONS

0

7.7

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

ALL HOURS (L.S.T.) APR

Ē

CONDITION

1	SPEE KNYS)	z	W X	w Z	ENE		ESE	SE	SSE	57	SSW	SW	WSW	3	*N*	3	NNK	VARBL	CALM	
	1.3	•	1.	•	•	•	•	•	•	•	•	•	•	•	•	•	•		\bigvee	6.6
	4.6	6.	1.2	2.0	7 1.7	6 2.7	7 1.0		7.	1.6	4 1.1	2.2		5 1.3			2 .8		\bigvee	9 20.8
	7 - 10	1.7	2.7	2.7	2.5	2.1	1.1	•	1.1		2.7				2.0		1.0		\bigvee	30.5
	11 . 16	8.7	3.0	7.8	1.1	30	1.2	7.	9.	2.3	2.3	7.7		2.0	.,	•	.2		\bigvee	21.2
	12 - 71	.2	. 7	.7	1.	7.	-			0.	.3		.2	.3	•				\bigvee	3.7
	22 - 27	.1	.2	4.									7.	•					X	1.0
	28 - 33				7.														X	. 1
	34 - 40				1.														\bigvee	1.
	41 - 47																		\bigvee	
	48 - 55																		\bigvee	
	95 41																		\bigvee	
	×	5.3	2.6	8 . 1	6.3	6.8	4.7	5.5	3.1	7.8	8.9	6.3	5.1	7.9	3.9	2.7	2.2		12.7	100.0
																		1		1

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855

GLENVIEWS ILLINGIS

SURFACE WINDS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

GLENVIENS

14855

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER CLASS COMPUTEDN	TLLINDIS	73-77	MAY
	STATION NAME		HONTH
		ALL WEATHER	00
CONDITION		CLASS	HOURS (L.S.
		CONDITION	

11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56 % WIND SPEED 1.33 .6 % 1.40 11.47 48.55 ≥56 % WIND SPEED 1.33 .6 % 1.40 11.47 1.48.55 ≥56 % SPEED 1.33 .6 % 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40													MEAN
1.7 7.1 7.1 1.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3	1.3 4.6 7.10 11		=	. 16	17 - 21	22 - 27	28 - 33	34 - 40	4 . 4	48 · 55	۸۱ ۶۶	*	WIND
100.00	2.0 3.2 .0	0.		1.3								7.7	5.1
4,5 11,3 3,2 3,2 3,2 3,2 3,2 3,2 3,2 3,2 3,2 3	1.9 1.3 2.6	5.0		1.3								7.1	6.9
11.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3	1.3 2.6	5.6			9.							4.5	6.3
3.9 3.0 3.1 3.2 3.2 3.2 3.2 3.3 3.3 3.3 3.3	1.3											1.3	3.0
3.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.3 .6 1.3	1.3		•								3.9	7.3
1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	9. 6.1 9.	9.										3.2	
1.9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	6.1											1.9	1.04
3.2 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	1.3			9.								1.9	E . 1
5.8 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6	1.3 1.3			9.								3.2	5.6
1.9 1.00.001	1.9 1.3 1.3	1.3		9.								5.8	
5.6 6.5 1.9 1.9 1.9 1.00.0		2.6			9.							7.7	0.7
1.9	1.9 2.0 1.3	1.3										5.0	
1.9	1.3 4.5 .6	9.										6.5	8 . 4
1.9	9.											9.	0.4
35.5	.6 1.3											1.9	
35.5	0.	9.										1.3	5.4
1.09													
1.9		$\langle \rangle$	$/ \setminus$	V	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	35.5	
	16.1 27.1 14.2	14.2		5.5	1.9							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

0

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

1556

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 GLENVIEW, ILLINDIS

YEARS

ALL WEATHER

NOURS (L.S.T.)

MAY MONTH

COMBITION

WEAN WIND SPEED	5.1	7.5							5.6			5.5				5.0			4.2
*	5.3	6.3	4.5	2.6	3.9	1.9	1.3	2.6	5.2	5.8	90	7.7	8.4	3.9	1.3	1.9		31.0	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21		9.		40.														X	1.3
11 - 16	9.	9.	9.		1.3			0.		•	9.							X	5.8
7 . 10	9.	1.9	9.	9.	1.9	5.	9.	1.3	1.9	1.9	5.1	1.3	2.0	0.		9.		X	19.4
• ÷	2.0	1.9	2.0			1.3	0.	9.	1.9	1.9			2.0		9.			X	25.
÷.		1.00	0.		5.				1.3	1.3	0.	3.2	3.2	0	9.			X	16.8
SPEED (KNTS) DIR.	z	W X	w Z	ENE		ESE	SE	SSE	s	SSW	S.W	WSW	*	WNW	×	NNN	VARBL	CALM	

HE

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

3000

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

GLENVIEW, ILLINDIS

14855 STATION

YEARS

06 HOURS (L.S.T.)

MAY

CONDITION

1	
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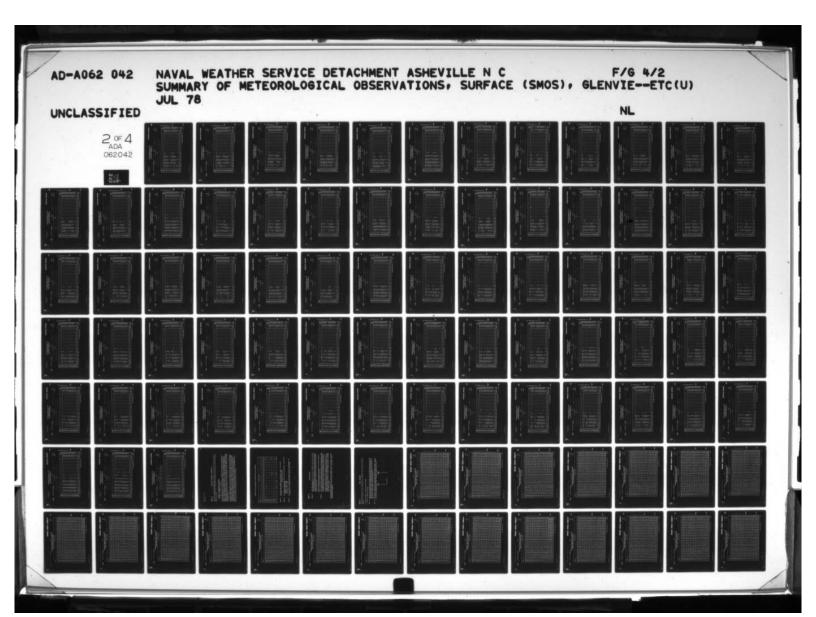
SPEED (KNTS) DIR.	.:	• •	7 - 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 · 55	85 A1	*	MEAN WIND SPEED
z	9		1.9	9.								4.5	6.1
NNE	9.	1.9	1.3	1.3								5.2	7.8
NE NE	1.3		2.6	9.								4.5	7.3
ENE	1.9	3.2	1.3	9.								7.1	9.6
£	1.9	* *	1.3	9.								8.4	5.9
ESE	1.3	•										1.9	3.0
SE													
SSE	1.3	7										3.2	4.4
s	1.3	1.3	9.	1.3								4.5	6.9
SSW	1.3	7	2.6	1.3								7.1	7.5
SW	9.	5.6	1.3	1.9								6.5	8.1
WSW	1.3	2,6	1.3									5.8	5,6
*	4.5	2.6	5.	9.								8.4	4.5
WNW.	9.	3.0										4.5	5.3
N.		1.9	9.	9.								3.2	7.4
NNN		5.1										1.9	4.3
VARBL													
CALM	X	X	X	X	X	\bigvee	\bigvee	\bigvee	X	X	\bigvee	23.9	
	18.7	32.3	15.5	9.7								100.0	4.7

0

0 0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SMOS DIRNAVOCEANMET



155

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

HOURS (L.S.T.) MAN YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, ILLINOIS

4.6 7.10 11.16 17.21 22.27 28.33 34.40 1.3 1.3 1.3 1.3 4.5 3.9 1.9 1.9 3.9 1.9 .6 1.9 3.9 1.9 .9 1.9 3.9	7.10 11.16 17.21 22.27 28.33 34.40 3 1.3 1.3 1.3 4 1.3 1.3 1.3 5 3.2 1.9 6 .0 .0 7 3.9 1.3 .6 7 5.0 .0 7 6.0 .0 7 7.10 1.10 1.0 7 7.10 1.10 1.0 7 7.10 1.10 1.0 7 7.10 1.10 1.10 7 7.10 1.10 1.10 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	41 - 47 48 - 55 \(\gequiv \text{S5}\) \(\gequiv \text{S5}\) \(\gequiv \text{S5}\) \(\gequiv \text{SPED}\)	4.5 7.6	11.0 8.7	6.5 8.0	2.7 7.2	8.4 7.8	3.2 5.4	1.9 5.7	7.7 9.2	5.8 8.6	8.4 9.0	5.8 10.4	8.4 7.8	9.0 8.2	2.6 7.0	1.3 6.5	5.8	
4.6 7.10 11.16 17.21 22.27 4.5 3.9 11.3 1.3 1.9 1.9 1.9 2.6 .6 .6 .6 1.9 3.9 1.3 .6 1.9 3.9 1.3 .6 1.9 3.9 1.3 .6 1.9 3.9 1.3 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 1.9 .6 1.9 3.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1	1.3 4.6 7.10 11.16 17.21 22.27 2.6 1.3 1.3 1.3 1.3 1.3 3.2 1.3 1.3 1.3 3.2 1.9 1.9 1.3 3.2 1.9 1.9 2.6 .6 .6 .6 2.6 .6 .6 .6 3.9 1.3 2.6 .6 1.9 3.9 1.9 .6 1.9 3.9 1.9 .6 2.0 3.2 1.9 .6 2.0 3.2 1.9 .6 3.0 3.2 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 .6 3.0 3.0 1.9 3.0	34 - 40																	
1.3 1.1 1.1 1.7 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1.3 4.6 7.10 11.16 17.2 3.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3			6						9	ø	9	9					$\left\langle \right\rangle$	
1.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5	1.3 4.6 7.10 1.3 3.2		1.3	-1	1.9	1.9	6.1		9.					2.6	1,3			\bigvee	
I -			1.3	3.9	1.3	3.2	1.9			3.9	5.6	3.9	3.2	5.6	3	1.9	9.	\bigwedge	
The state of the s		9.+	1.3	2.0	2 1.9	3.5	3.6	2.6		1.9		1.9	9.	3 1.9	3.2	0	ō	\bigvee	

DIRNAVOCEANMET SMOS

2

14855 STATION

9.5

MEAN WIND SPEED

5.0

-

16.0 10.5

155

TOTAL NUMBER OF OBSERVATIONS

8.9

SURFACE WINDS

8418

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

ALL MEATHER

YEARS

12 HOURS (L.S.T.)

MAY

COMDITION

9.0 12.3 1.3 9.0 9. 3.2 10) 100.0 × 17 48 - 55 41 - 47 9. 0 34 - 40 28 - 33 22 . 27 2.6 0 0 0 0 17 - 21 0.00 23.9 1.3.2.6 11 . 16 39.4 3.9 1.3 9.00 200 7.1 -7 . 10 28.4 2004 2.0 3.2 9 4 . 6 4.5 ..

SSW

•

SS SS SS

Z Z Z

WSW

*

3

WNW N N VARBL CALM

0

0

DIRNAVOCEANMET SMOS

GLENVIEW, ILLINDIS

14855 STATION

=

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

8000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION GLENVIEWS ILLINDIS

15 HOURS (L.S.T.)

MAY

MEAN WIND SPEED	0.9	4.6	8.4	7.9	7.0	8.7	8.5	0.6	9.3	0.6	10.3	4.8	12,3	8.2	9.6	10.0			8.7
*	2.6	10.3	15.5	10.3	13.5	6.5	1.3	1.3	2.6	4.5	5.2	6.9	11.0	3.5	3.2	9.		1.9	100.0
95 Al																		X	
48 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		X	
22 - 27																		X	
17 . 21		9.	1.3								9.		Ç.					X	3.8
11 . 16		6.1	5.6	9.	e.	1.9		9.	1.3	1.3	1.3	5.6	7.1					X	21.9
7 . 10	1,3	3.8	5.8	30	7.7	2.6	1.3	0.	9.	3.8		9.	1.9	2.0	3.6	3		X	45.2
•	9.	1.9	4.3	3.9	3.6						5.1	1.9	1.3	3.				X	21.3
1.3	0.		1.3		1.9	0.			0			1.3						X	6.5
SPEED (KNTS) DIR.	z	N N N	Z	ENE		ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	×	MNN	VARBL	CALM	

0

TOTAL NUMBER OF OBSERVATIONS

10.3

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

WEATHER

73-77

GLENVIEW, ILLINUIS

14855 STATION

YEARS

18 NOURS (L.S.T.)

MONTH

CONDITION

MEAN WIND SPEED	7.3	8.5	8.5	5.4	5.4	4.8	5.4	8.3	7.8	10.2	8.7	8.7	9.3	8.3	7.3	8.0		7.2
×	2.6	13.5	8.4	11.0	14.8	3.9	4.5	2.6	5.2	3.2	4.5	7.7	7.7	4.5	1.9	9.	2.6	100.0
% Al																	X	
48 - 55																	M	
41 . 47																	M	
34 - 40																	M	
28 · 33																	X	
22 · 27																	\bigvee	
17 . 21											9.						X	9.
11 . 16	4.	2.6	1.9					9.	1.3	1.3	9.	3.9	5.6	9.			X	16.1
7 - 10	9.	8.4	3.2	4.5	3.2		1.3	9.	2.6	1.3	1.3	9.	3.2	2.6	1.3	9.	X	35.5
• •	0.	1.9	3.2	3.2	11.0	3.9	5.6	9.	9.	9.	1.3	1.9	1.3	1.3	9.		X	34.8

0

SSE

1.3

SPEED (KNTS) DIR.

z

z z

-ESE g.

s

0

WNW

*

ž

WSW WSW

0

SSW

VARBL CALM

0

0

0

NN

9800

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

i

NOURS (L.S.T.)

MAY

YEARS

73-77

GLENVIEW, ILLINOIS

14855 STATION

ALL WEATHER

SURFACE WINDS

COMDITION

MEAN WIND SPEED	6.2	6.7	7.7	3.9	4.1	5.1	5.1	2.0	5.6	0.6	6.3	5.5	5.2	7.0	0.6	7.0			4.9
*	5.8	11.0	6.5	5.2	5.8	5.3	5.8	1.3	7.1	5.2	3.9	7.7	7.1	2.6	9.	1.3		17.4	100.0
95 AI																		X	
48 - 55																		\bigvee	
41 - 47											-							\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 · 27																		\bigvee	
17 - 21		9.								9.								\bigvee	1.3
11 . 16		9.	1.3						9.	9.	9.			9.				\bigvee	4.5
7 - 10	3.2	2.6	2.0	9.	9.	0	1.3		1.9	1.9	9.	2.6	1.9	9.	9.	9.		X	22.0
9.4	1.3	5.0	-	1.3	7.9	0	N		2.	1.3	2.6	3.9	3.			0.		X	32.
1.3	1.3	1.3	1.3	3.2	3.2	1.3	1.9	1.3	0.1	5.		1.3	1.3	1.3				\bigvee	21.3
SPEED (KNTS) DIR.	z	N. K.	¥	E.	-	ESE	SE	SSE	s	SSW	AS.	WSW	*	WNW	NN	MNN	VARBL	CALM	

0

0

0

8486

DIRNAVOCEANMET SMOS

0

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINUIS

14855

YEARS

HOURS (LS.T.) MAN

CONDITION

ALL WEATHER

MEAN WIND SPEED	6.2	8.2	8.4	9.9	9.9	5.9	5.5	7.3	7.3	8.0	8.9	7.5	7.4	7.4	7.4	6.3			6.3
*	4.5	6.5	7.7	7.5	0.6	3.8	2.3	1.8	5.0	9.6	8.9	6.9	8.1	4.4	2.3	1.3		14.8	100.0
8 AI																		X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40											7.							\bigvee	.1
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21		• 5	.2	1.	•				. 2	• \$	5.							\bigvee	1.9
11 - 16	9.	1.5		9.	9.	. 3	1.	4.	6.	1.0	1.2	1.5	2.0	6.		1.		\bigvee	13.1
7 - 10	1.4	3.8	2.7	2.8	3.1	8.	9.	4.	1.5	2.1	1.7	1.9	1.6	1,9	1.4	. 5		\bigvee	28.4
9.4	1.4	2.7	2.3	2.5	3.0	2.	1.0	•	1.5	-	2.2	2,	2.7	1.	•	3.		\bigvee	28.
1.3	1.1			1.5	1.5	3.		J	0.	6.		1.3	1.0		2.			\bigvee	12.8
SPEED (KNTS) DIR.	z	N N	¥	E		ESE	SE	SSE	s	SSW	WS	WSW	*	WNW.	WW	NNN	VARBL	CALM	

0000

TOTAL NUMBER OF OBSERVATIONS

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1000

SURFACE WINDS

73-77 ALL WEATHER

GLENVIEW, ILLINDIS

14855 STATION

YEARS

HOURS (L.S.T.)

NO STRON

CONDITION

MEAN WIND SPEED	7.5	7.4	4.8				0.9	4.5	7.8	6.8	7.0	4.8	5.5	0.9	4.5	3.3			3.8
*	0.4	3.3	0.4	3.3	2.0		1.3	1.3	7.3	0.9	7.3	8.0	8.7	2.7	1.3	2.7		36.7	100.0
% AI																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40														4				\bigvee	
28 · 33																		X	
22 · 27																		X	
17 . 21																		X	
11 . 16	2.0								.7	•								X	4.7
7 - 10		2.0		. 7			1.		4.7	2.0	2.7	1.3	2.0					X	17.3
91	. 7	1.3	3,3	1.3					1.3	2.7	4.0	5.3	7.0	1.3				X	28.7
1.3	1.3			1.3			•					1.3	2.0		. 7	2.0		X	12.7
SPEED (KNTS) DIR.	z	NNE	¥	ENE		ESE	SE	SSE	s	SSW	S.W.	WSW	*	WNW	¥	NNN	VARBL	CALM	

1111

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

GLENVIEW, ILLINOIS

14859 STATION

0

HOURS (L.S.T.)

SOLTH WONTH

CONDITION

NNE .7 1, NE ENE .7 8. ESE .7 9. SSW .2.0 3. SWW .2.7 6. WSW .2.7 6.		7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8 Al	×	WIND
7. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	1.3	1.3	1.3								4.7	8.0
7. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	2.0	2.0	.7								5.3	9.3
2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2		. 7									1.3	6.0
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-											
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	۲.										1.3	3.0
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2												
2222	~		.7								0.4	5.5
2222			.7								5.3	5.9
2.7		2.7									8.0	5.7
2.7		3.3									12.0	5.5
2.7		. 7									7.3	3
		1.3									6.7	5.2
		. 7									3.3	4.6
N.W.	. 7										.7	5.0
NNW I.3				1.							2.0	8.0
VARBL												
CALM		$\langle \rangle$	X	X	X	X	X	X	X	X	38.0	
16.7 26.	F.	13.3	0.4	1.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ĩ

06 HOURS (L.S.T.)

NON THOM

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

ALL WEATHER COMDITION

(KNTS)	1.3	9.4	7 - 10	1 . 16	17 - 21	22 · 27	28 - 33	34 - 40	41 . 47	48 - 55	% AI	×	WEAN WIND SPEED
z	2.0	7.	2.0	. 7								5.3	6.3
NN	1.3	2.0	2.0	. 7								0.9	6.1
Z		.7	.7									1.3	7.5
ENE		.7										.,	5.0
		2.0										2.0	5.0
ESE			1.3									2.0	7.7
SE		2.0										2.0	5.7
SSE		1.3		.7								2.0	9.3
s	7.	2.7	1,3									4.7	5.1
SSW	2.0		4.7	1.3								11.3	7.0
SW	7.	0.4		1.3								8.7	8.9
WSW	1.3											6.6	5.2
*	3.3	5.3	3,3									12.7	5.8
WNW													
¥N		2.0										2.0	5.0
NNN			. 7		•							2.0	9.3
VARBL													
CALM	\bigvee	28.0											
	11,3	34.0	20.7	5.3	7.							100.0	4.5

0

3.9

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4.6

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KNTS)

2.0

150

TOTAL NUMBER OF OBSERVATIONS

31.3

6.7

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0

₹ Z VARBL CALM

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

3

SURFACE WINDS

73-77

GLENVIEW, ILLINOIS

14855 STATION

)

YEARS

ALL WEATHER

HOURS (1.5.T.

NON THON 60

CONDITION

0 2 2 2 3 3 4 3 4 3 7.3 7.3 MEAN WIND SPEED 0.9 2.0 0 0 7 8.7 110.7 6.7 4.7 5.3 2.0 100.0 8 128 . 55 84 . 47 4 34 - 40 28 - 33 . 27 22 -. . 21 1 1.32.5 13.3 11 - 16 100001 2.0 42.0 7 - 10

SSW WSW * WW

S

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

12 HOURS (L.S.T.)

NONTH

YEARS

ALL WEATHER

CONDITION

SURFAC	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77
ш	TLLINDIS
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	GLENVIEW, ILLINDIS
Z	5

	*:	7 - 10	51 . 16	17 - 21	22 - 27	28 - 33	34 · 40	41 . 47	48 - 55	% AI	×	MEAN WIND SPEED
	7.	1,93	2.0								0.4	6.6
		3.4	.7		.7						0.9	9.6
		0.4	2.0								6.7	4.6
1.	5.4		.7								4.6	1.0
1.3	2.0										10.1	6.9
. 7		1.									2.0	5.3
		. 7	. 7								1.3	10.0
		2.0	. 7								3.4	0.6
. 7		4.0	1.3								6.7	4.6
		0.4	2.0								7.4	9.1
		0.0	2.7								8,7	10.0
	2.0	0.4	0.4								10.1	10.6
		8.7	2.7								15.4	8.5
		.7	2.0								0.4	9.8
	2.0		.7								2.7	7.0
		1.3									2.0	10.3
X	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
5.4	20.	50.3	32.8		7						100.0	8.7

14855 STATION

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINOIS

14855 STATION

0440

1.5 HOURE (L.S.T.)

SONTH MONTH

YEARS

SURFACE WINDS

CONDITION

ALL WEATHER

MEAN WIND SPEED	14.4	11.2	8.9	6.2	7.8	7.5	7.4	10.0	6.3	9.5	10.4	8.7	3.6	8 8	0.6	7.5			8
*	3,3	0.4	10.7	9.3	8.0	0.4	4.7	1.3	0.8	5.3	0.3	6.7	15.3	3.3	2.0	2.7		2.0	100.0
% AI																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27																		X	
17 - 21	1.																	X	0.4
11 - 16	1.3	7.	2.0		. 7				7.3	2.0	0.4	2.7	5.3	. 1	.,			X	21.3
7 - 10		2.0	3.3	3.3	5.3	3.3	e 9	1.3	2.7	2.7	2.7	1.3	5.3	2.0	. 7	2.0		X	42.0
9:		۲.	4.1	5.3	2.0	۲.	۲.				2.0	2.7	0.4			1.		X	27.3
1.3							۲.											X	3.3
SPEED (KNTS) DIR.	z	NN.	¥	ENE		ESE	SE	SSE	50	SSW	»S	WSW	*	WNW	××	MNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

18 HOURS (L.S.T.)

NONTH NON

CONDITION

(KNTS) DIR.	1.3	9.4	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	1 36	*	WIND
z			2.0	2.7								5.3	10.1
NNE	. 1	2.7	2.7	2.7	.7							9.3	8.9
NE	2.0		2.0	1.3								8.0	9
ENE	1.3	5.3	2.0	1.								8.3	5.9
	1.3	4.7	2.0									8.0	5.5
ESE		1.3	0.4									5.3	
			2.7									3.3	7.0
SSE			2.0									2.7	7.0
	. 1	1.3	0.4	1.3								7.3	8.5
SSW		. 7	1.4	.7								0.9	8.5
SW		1.3	2.0	1.3								4.7	8.7
WSW	. 1	2.0	. 1	2.0								5.3	8.8
	1.3	2.7	7.3	1.3	1.							13.3	8.6
WNW	1.	1.3	٠.	1.								3.3	0.9
×												2.0	3.7
NNN				.7								1.3	6.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	X	X	X	X	X	 	
	10.7	28.7	38.7	15.3	1.3							100.0	7.2
		ı	-		-	-	-		1	1	The second secon		

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

0

14855 STATION

GLENVIEW, ILLINUIS

150

TOTAL NUMBER OF OBSERVATIONS

988

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

ALL WEATHER CONDITION GLENVIEW, ILLINDIS

21 HOURS (L.S.T.)

NON THE

YEARS

73-77

14855 STATION

1199

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

73-77 ALL WEATHER

YEARS

HOURS CLS.T.

NON

CONDITION

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SPEED (KNTS) DIR.	÷:-	•	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	% AI	×	MEAN WIND SPEED
z	1.0		1.5	1.5	• 2	1.						6.4	8.6
N N	.,	1.9	2.2	6.	cr.	-						0.9	8.1
¥	.,	2.3	1.7		. 1							2.4	7.1
ENE	9.		7.0	4.								5.3	6.2
3	9.	1.1	1.9	7.								6.4	6.3
ESE	ς.	•	1.4	1.								2.7	4.0
SE	Δ.	30	1.2	7.								2.5	6.3
SSE	0.	•		.3								2.7	6.9
s	9.		2.5	6.	•							6.5	7.6
SSW	8.	2.	3.9	1:1								7.8	7.6
SW	۲.	2.	3.3	1.6	-							4.8	7.8
WSW	1.1		2.2	1.4								8.0	7.0
*	1.5	3.	4.	1.7	• 1							11.5	4.4
WNW		6.	•	i.	-							2.8	7.4
N.	6.	1.0		.2								1.7	6.1
NNN	5	.5		.2	2.							2.0	7.1
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	17.4	
	10.8	28.6	30.4	11.6	1.0	.2						100.0	6.0

DIRNAVOCEANMET SMOS

0

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

GLENVIEW, ILLINDIS

155

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

Jul	MONTH	00	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	COMDITION
GLENVIEW, ILLINDIS	STATION MAME			

MEAN WIND SPEED	5.2 4.1	3.2 6.0	1.3 3.0	1.3 11.0	1.9 5.0	1.3 6.0	1.9 5.3	3.2 3.6	5.2 8.4	6.9 0.6	6.5 5.6		10.3 4.8	1.9	3.2 4.4	0.2 0.		35.5	
95 AI																		X	
48 - 55																			
41.47																		X	
34 . 40																		\bigvee	
28 · 33																		X	
22 · 27																		X	
17 - 21																		X	
61 . 16	9.			0.					9.	-								X	
7 . 10		1.9		9.	9.	9.	9.	9.	3.2	3.2	2.6	1.3	1.9					X	
•	1.3	9.			9.		9.	0.	0	2.6	1.3	4 . 35	5.5	1.9	5.6			X	
÷:	3.2	9.	1.3		9.	9.	9.	1.9	9.	1.9	2.6	2.6	3.6		D.	9.		\bigvee	
SPEED (KNTS) DIR.	z	NNE	W.	ENE		ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	XX	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

CLENVIEWS ILLINDIS

14855

73-77

ALL WEATHER

HOURS (L.S.T.)

JUL HONTH

CONDITION

(KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55		۸۱ چ	\$ 95 Al
z	1.3	1.9	1.3										4.5
NN N		.0	•										1.3
W.		9.	9.	1.3									2.6
ENE	9.	2.3	9.										2.6
		9.											9.
ESE	1.9	9.	1.3										3.9
SE													
SSE													
5	9.	1.9	9.	0.									3.9
SSW	1.9	2.0	3.2										7.7
SW	1.9		2.6	9.									7.1
WSW	2.6		5	9.									10.3
*	2.6	2.6	1.9	•									7.7
WNW	5	•											1.3
¥	٥.	0.	9.										1.9
NNN	3.2												3.2
VARBL													
CALM	X	X	X	X	X	\bigvee	\bigvee	X	X	X	$V \setminus$	X	41.3
	18.1	18.1	18.7	3.9									100.0

TOTAL NUMBER OF OBSERVATIONS

JUL HONTH

HOURS CLS.T.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

YEARS 73-77 ALL WEATHER

GLENVIEW, ILLINDIS

14855 STATION

CONDITION

• •		7 . 10	9 . 1	17 . 21	22 - 27	28 · 33	34 · 40	41 . 47	48 - 55	% %	×	MEAN WIND SPEED
	9.	1.9									5.8	4.8
	1.9	1.3									3.2	6.2
		0.									3.2	3.6
	- ·	9.									2.5	7.8
	9.	0									1.3	7.0
	9.										9.	0.4
	0.	0									1.3	7.0
			9.								9.	12.0
0	5.8	•									10.3	
E .	0.	1.3									3.2	5,6
	3.9	1.3	0.								5.8	6.2
5	3.2	3.5	9.								0.6	6.3
	4.0	3.2	9.								14.8	
	1.3	1.3									3.2	5.8
	1.3										3.2	3,2
	1.9										1.9	5,3
\bigwedge		$\langle \rangle$	X	X	\bigvee	\bigvee	\bigvee	\mathbb{X}	\bigvee	\bigvee	29.7	
18.1 3	32.3	16.8	3.2								10000	3,9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0.0 HOURS (L.S.T.)

JUN MONTH

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, ILLINDIS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(KNTS) DIR.	1.3	•	7 - 10	91 - 11	17.21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
+			1.9	0.								2.6	11.3
N.	9.	2.6	1.3									4.5	5.7
-	1.3	3.2	2	2.6								4.4	7.9
E E	1.3	2.6		1.3								6.3	6.1
-	4	1.3										2.6	5.0
ESE		7.9	5									2.6	5.5
-	9.	0										1.3	3.5
SSE		9.	1.3									1.9	6.3
-	1	1.9	9	9.								4.5	4.9
ASS		4.5	2	9.								7.7	6.7
AS.	1.3	5.2		1.3								11.6	6.9
WSW	1.9	3.9	3.9									2.6	6.1
-	2.6	7.1	4.5	3.9								18.1	7.4
WNW	0	1.3	1.3	0.								3.9	6.9
×	1.9	9.	1.9									4.5	5.4
NNN	1.3	1.9										3.2	4.4
VARBL													
CALM	X	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	5.2	
	15.5	39.4	28.4	11.6								100.0	6.3

8880

DIRNAVOCEANMET SMOS

0

1001

155

TOTAL NUMBER OF OBSERVATIONS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

E

SURFACE WINDS

73-77

GLENVIEW, ILLINDIS

14855 STATION

WEATHER CLASS

YEARS

12 HOURS (LS.T.)

1

COMBITION

85 Al		
48 . 55		
7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55		
34 - 40		
28 . 33		
22 - 27		
17 . 21		
11 . 16	9.	
	1.3	
9.4		-

			-	_		_	_		_	_	_			_			_		
MEAN WIND SPEED	9.3			7.0	6.9	8.0	8.0	8.0	6.9	8.0	10.0	8.7	0.6	7.4	7.5				7.9
×	2.6	3.9	0.6	9.7	4.6	9.	1.3	9.	7.1	7.7	4.00	6.7	15.5	2.8	1.3	4.5		2.6	10000
۸۱ وو																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 · 27																		\bigvee	
17 . 21			9.								• •	9.	9.					\bigvee	2.6
11 . 16	9.	1.3	1.9	9.	9.		9.		1,3	1.3		1.9	4	1.3				\bigvee	1.8
7 - 10	1.3	1.3	3.2	5.2	5.8	9.		9.	2.6	3.9	5.8	3	5.8	2.6	9.	7.9		\bigvee	46.5
9.4		1.3	2.6	2.6	2.6		9.		1.9	2.0		5.	2.6	1.3	9.	1.9		\bigvee	21.3
1.3	9		9.	i.3	\$				1.3			1.3	1.9	φ.		3.		X	0.6
SPEED (KNTS) DIR.	z	NNE	az Z	ENE	E	ESE	SE	SSE	s	SSW	×s.	WSW	*	WNW	WN	NNN	VARBL	CALM	

0

DIRNAVOCEANMET SMOS

15 HOURS (L.S.T.)

JUL

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

8000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

Ha .

(FROM HOURLY OBSERVATIONS)

73-77

GLENVIEWS TLLINGIS

14855 STATION

YEARS

ALL WEATHER

CONDITION

SPEED 1 · 3 4 · 6 DIR.	z	NX.	9.		4	ESE 2.6	35	SSE		ASS	AS.	wsw sw	5.	WWW	W	9.	VARBL	CALM	26.8
6 7 . 10	1.1	9.6	.6 1.3	5.8 4.5		1.3 3.2	•	9.	1.9 2.6	1.9 3.2	.6 2.6	1.9 3.9	4.5	9.2	1.3 .6	1.3 1.3		X	9.17 7.95
11 - 16		9.6	3 1.3	9.	9.	2	ō	Q	0	2 2.6	5.1		5 2.6	9.	9	~		X	18.5
17 . 21		••	0.								1.3	9.	2.6					X	8 8
22 - 27																		X	
28 - 33																		X	
34 · 40																		\bigvee	
41.47																		\bigvee	
48 - 55																		\bigvee	
% Al																		\bigvee	
*	1.3	0.6	4.5	11.0	13.5	7.1	9.	9.	4.5	7.7	6.5	8.4	14.8	3.9	2.6	3.2		9.	100.0
MEAN WIND SPEED	4.5	10.7	6.6	6.8	7.0	5.6	7.0	8.0	6.7	9.4	10.6	8.5	9.6	9.7	4.5	5.2			R. 2

0

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7.0

6.5 4 5

MEAN WIND SPEED

×

12

48 - 55

41 . 47

34 - 40

28 . 33

. 27 22

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

0

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W. 0

3.9

2000400

0 7 0 7 0

Z Z Z Z

2.6

SSE SSE

3.

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1.3

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0 2 4 6

10.3

6.9

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3.0

6.5 20.0

30

1.3

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40400

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2.0

WSW

3.

SSW

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WNW

3

*NX VARBL CALM

ž

1.6

188

155

6.9

100.0

9.

9

0

1.6

34.2

38.7

13.5

0

0

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5.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CHCH

SURFACE WINDS

73-77

YEARS

ALL WEATHER

18

JUL HONTH

CONDITION

0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

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0

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14855

GLENVIEW, ILLINDIS

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, ILLINDIS

21 HOURS (L.S.T.)

JUL

Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z		9.4	7 . 10	91 . 11	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 · 55	% AI	×	MEAN WIND SPEED
EN E	2.6	1.3										3.9	1
ENE ENE	1.9	1.3		1.3								4.3	
2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9	1.3	9.	9.								3.2	1
- 2 %	•		•									1.9	
ESE	2.0	9.	1.3									4.5	
35	1.9	9.										2.6	
		1.3	9.									1.9	
SSE	9	0.										1.3	
s	3.2	3.2	1.3									7.7	
SSW	1.9	3.9	6									6.7	
AS.	2.5	1.9	2.0									7,1	
WSW	3.2	1.9	9.									5.8	
*		1.9		1.3								3.2	
WNW	1.9	1.3	9.									3.9	
WN		9.										9.	
MNN			9.	9.								1,3	
VARBL													
CALM	$\langle \rangle$	X	X	X	X	X	X	\bigvee	M	\bigvee	\bigvee	36.8	
	23.9	22.6	12.9	3.9								100.0	

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER COMBITION GLENVIEW, ILLINDIS

ALL HOURS (LS.T.)

MEAN WIND SPEED	6.7	7.6	7.8	6.7	5.6	5.2	5.9	5.5	5.9	7.1	7.4	6.8	7.2	6.4	5.1	6.2			5.4
*	0.4	4.8	4.8	5.7	5.6	2.8	1.9	1.0	5.9	6.9	7.7	8.8	11.8	3.7	2.7	2.4		19.5	100.0
% Al																		X	
48 - 55																		X	
4.4																		X	
34 - 40	7.																	X	7.
28 . 33																•		X	•
22 - 27																		X	
17 . 21		.2	.2								.2	. 2	4.					X	1.1
11 . 16	s.	00	7:1	9.	7.		7.	7.	4.	1.	1.0	80	1.9	4.	٦.	٦.		X	8.6
7 - 10	1:1	1.8	1.4	2.1	2.2	×.	٥.	5 •	1.7	3.0	3.1	3.4	3.1	1.2	\$	9.		X	27.1
• •	0.	1.8	1:1	2.3	2.6	1.0	1.0	2.	2.3	2.3	2.3	2.0	4.4	1.5	1.2	·.			28.1
3	1.5	9.	1.0		7.0	1.0	7.	লে	1.5	3.	1.0	7.0	2.0	3.	9	æ		X	15.7
SPEED (KNTS) DIR.	z	N N N	w Z	ENE	2	ESE	SE	SSE	•	SSW	NS.	WSW	*	WNW	×	NNK	ARBL	CALM	

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER COMDITION GLENVIEW, ILLINDIS

HOURS (L.S.T.)

AUG 00

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 . 21	22 · 27	28 · 33	34 . 40	41 - 47	48 - 55	۸۱ ۶۶	*	MEAN WIND SPEED
z	1.9	1.3	1.3									4.5	4.3
NN		0	9.									1.3	6.5
¥		1.3	0.									6.1	7.0
ENE		2,0	0.									3.2	6.0
-	1.3		0.									3.2	4.6
ESE	9.	9.										1.3	4.5
35													
SSE	9		9.									1.3	0.9
~	2.6	5.6	1.3									6.5	4.8
SSW	9		3.2	3.8								12.9	7,2
SW.	1.3	2.0	9.	0.								5.2	5.3
WSW	1.9	5.6	9.	•								5.8	5.0
*	1.3	1.3	9.									3.2	4.8
WNW	9	•	9.									1.9	5.3
¥	0	1.3										1.9	3.7
NNN		3.2										3.2	4.8
VARBL													
CALM	\bigvee	45.6											
	13,5	27.7	11.6	4.5								100.0	3.2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

1111

SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

and Man

SURFACE WINDS

73-77

GLENVIEW, ILLINDIS

14855 STATION

YEARS

ALL MEATHER

HOURS (L.S.T.)

AUG 03

CONDITION

1.3 7.5 1.3 4.0 1.3 4.0 1.3 5.2 5.4 1.3 5.2 5.4 1.3 5.2 5.4 1.4 1.5 5.4 1.5 5.4 1.5 5.4 1.5 5.5	1.3 4.6 7.10
	1.3 3.2 .6
	જ• જ•
	9.
	9.
	1.3
	9.
	4.5 2.6
	2.6 3.9 3.2 1.9
	1.3 4.5 1.3
	•
	1.
	3,2 1.3
	9.
	1.
	24.5 21.9 9.0 3.2

)

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AUG	итмом	90	HOURS (L.S.T.)	
73*77		ALL WEATHER	C.ASS	COMPITION
GLENVIEW, ILLINDIS	STATION NAME			

SPEED (KNTS) DIR.	- -	*	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	*	MEAN WIND SPEED
z	9	1.3	9.									2.6	5.0
NNE	9.	•	9.									1.9	
ž	1.9	1,3	9.	9.						,		4.5	5.6
ENE		9.	9.									1.3	
F													
ESE	1.9		1.3									3.2	5
SE	0											9.	2.0
SSE	1.3		9.									1.9	4
s	3.2	1.9	1.9									7.1	4
SSW	9.	4.5	4.5	9.								10.3	9.9
SW	1.9	1.	5.6	9.								7.1	4.9
WSW	6.1	1.9	9.									4.5	4.4
*	2.0	3,	9.									7.1	4.2
WNW	1.3	1.										3.5	3.4
WN	1.9	1.	9.									3.9	3.8
MNN	1.9	3.9	9.									6.5	4.3
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	34.2	
	22.6	25	14.1	0								0 001	2 2

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

73-77 ALL WEATHER CONDITION GLENVIEW, ILLINGIS

14855

00 HOURS (LS.T.)

AUG

YEARS

FINE 1.3 2.6 1.3 NAE 1.3 2.6 1.3 NE 1.3 2.6 1.3 NE 1.3 2.6 1.3 SSE .6 .6 .6 .6 SSW .6 4.5 2.6 .6 SSW .6 4.5 5.2 1.3 WNW .6 4.5 5.2 1.9 NW NW .6 1.9 5.2 .6 CALM CALM			34 - 40	41 - 47 48 - 55	6	*	SPEED
3.2 4 2.6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 6 1.9 6 1				-		6.5	6.2
3.2 2.6 2.6 3.2 2.6 3.2 2.6 3.2 3.2 2.6 1.3 5.2 1.3 5.						5.2	
3.2 2.6 3.2 2.6 3.2 2.6 3.2 3.2 3.2 3.2 1.3 6 1.3 6 1.3						3.9	
3.2 4.5 6.6 6.7 6.7 6.7 6.7 6.7 6.7 6.7						2.6	
2.0 2.0 2.0 3.2 3.2 3.2 3.2 1.3 5.0 1.3						7.1	
4.5 2.6 3.2 2.6 3.2 3.2 3.2 1.3 5.1						1.9	
4.5 2.6 3.2 2.0 3.2 2.0 3.2 1.9 1.9 1.9						1.3	0.4
2.6 2.6 3.9 5.2 2.6 3.9 5.1 1.9 5.2 2.6 1.9 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.2 5.1 1.9 5.1						9.	10.0
2.6 4.5 5.2 2.0 2.0 3.2 1.9 1.9 5.0						10.3	5.6
4.5 2.0 2.0 3.2 3.2 1.9 1.9 1.9						10.3	6.8
1.9 2.6 2.6 3.2 3.2 1.9 1.9						11.6	7.2
3.2 2.6 1.9 .6						6	7.1
3.5							7.8
11.9						4.5	5.1
1.3 X						3.2	4.4
						2.6	0.9
	\bigvee	$\langle \rangle$	\bigvee	\bigvee	$\left\langle \right\rangle$	111.0	
11.0 32.9 33.5 11.6						100.0	6.3

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155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1400

12 HOURS (LS.T.)

AUG

YEARS

73-77

GLENVIEW, ILLINOIS

14855

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

SPEED (KNTS) DIR.	1.3	9.	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	8	*	WIND WIND SPEED
z		0.	1.3									1.9	7.3
N.	1.3	1.3	3.6	1.3								7.1	7.5
¥		2.6	3.9	2.6	•							6.1	9.6
ENE		3.9	4.5									0.6	7.4
		3.2	2.0	1.3								7.1	7.6
ESE	9		5.0									3.2	7.6
SE	9.		1.3									1.9	6.7
SSE	1.3			9.								1.9	5.0
~	1.3	2.6	3.9	1.3								0.6	7.4
SSW	0		3.2	3.9								7.7	10.3
SW	5	2.	3.2									8.4	8.4
WSW	9.	3.	1.9	3.2								0.6	8.5
*	9	3.	6.5	3.2								14.2	8.3
WNW		0.	9.	1,3								2.6	8.5
¥	0.	۲.	1.3									4.5	5,3
NNN		•	9.									1.3	6.0
VARBL													
CALM	\bigvee	X	X	X	\bigvee	1.3							
	4	27.	40.0	21,3	9.							100.0	7.9

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0

0

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15 HOURS (L.S.T.)

AUG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

GLENVIEW, ILLINOIS

14855

1550

YEARS

CONDITION

SPEED (KNTS) DIR.	<u>:</u>	9:	7 . 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	4.14	48 - 55	% AI	*	MEAN WIND SPEED
+		1.9	1.3	1.3								4.5	9.0
N.K.		4.	3.2									3.9	7.7
-			5.2	1.3								6.5	6.6
		3.2	4.5	1.9								6.4	1.9
	0	5.8	7.1	1.3								8 * 71	
		9.	9.0									4.5	4.9
		1.3	5.1									3.2	
		9.	0									1.3	6.9
		0.	2.6	1.9								5.2	6.6
-		5.6	3.9	3.2								4.6	9.1
			7.7	1.3								10.3	8.9
WSW		5.1	3.9	3.2								0.6	9.7
	1.3	3.2	3.0	1.3								4.4	1.1
	0		9.	0.								3.2	7.2
-			9.	9.								2.6	8.0
WNW													
VARBL													
CALM	X	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6•1	
	2.0	26.5	51.0	18.1								1000	6.3

SURFACE WINDS JAN 78

2888

155

TOTAL NUMBER OF OBSERVATIONS

6.4

10000

34.8

38.1

10.3

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION'S)

73-77

GLENVIEW, ILLINOIS

YEARS

ALL WEATHER

CONDITION

18 HOURS CLS.T.

AUG

SPEED (KNTS) DIR.	1.3	4:6	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	35 A1	*	MEAN WIND SPEED
z	9.	9.	6.1	1.3								4.5	7.
NNE	0	6	3.9									7.7	6.8
w Z		3.5	9.	1.3								5.2	7.1
FE		5.00	2.6	1.3								6.1	8.9
•	2.6	4.5	1.9									0.6	4.9
ESE		2.6	1.3									3.9	5.7
35		1.9	1.3									3.2	0.9
SSE		0.	9.									1.3	8.0
•	9.	2.6	5.2	0.								0.6	7.4
SSW	0.	3.2	4.5	5.6								11.0	7,8
AS.		3.2	3.9	2.6								1.6	8
WSW	1.9	1.9	4.5	9.								0 6	9.9
*	2.6	3.2	9.									6.5	4.
WNW		1.3										1,93	4.5
¥	9.		1.3									6.1	0.9
NNN			9.	9.								1.3	11.5
VARBL													
CALM	X	X	X	X	X	X	\setminus	X	X	X	\setminus	8 9	

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

110

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WED THER GLENVIEW, ILLINGIS

CONDITION

21 HOURS (LS.T.)

AUG

5.4 5.5 11.5 3.4 5,3 MEAN WIND SPEED 2.0 35.5 2.6 3.2 3.6 10.3 1.3 1,3 100.0 12 48 . 55 41 . 47 34 - 40 . 33 28 22 - 27 17 - 21 1.3 5.6 9. 11 . 16 2.6 1.9 00 0 0 0 0 0 18.1 0 7 - 10 1 2 3 3 22.6 2 2 ... 1.3 00 3.0 1 2 6 6 6 21.3 1.3 SPEED (KNTS) DIR. CALM WSW WSW *N* NX. VARBL Z SSW ž Z Z SSE SSE ₹ w ~

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DIRNAVOCEANMET SMOS

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14855 STATION

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER CONDITION GLENVIEW, ILLINOIS

73-77

14855 STATION

ALL HOURS (L.S.T.)

AUG

SPEED (KNTS) DIR.	3	9.4	7 - 10	11 · 16	17 - 21	22 - 27	28 · 33	34 · 40	4 . 4	48 - 55	95 AI	•	*
z	6	1.8	1.5	€.									4.4
NNE	*	1.	1.8	.3									3.7
N.	.2	1.	2.1	8.									4.7
ENE	.2	2.3	2.1	.5									5.0
3	1.0	. 2	6.1	5.									5.6
ESE	3.	•	1.3										3.0
35	3.	•	9.										1.5
SSE	. 5	•	.5	7.									1.4
s	2.6	2.	2.3	9.									8.1
SSW	1.0	3.	3.5	2.6								-	10.6
SW	1.0	2.	3.5	1.1									8.5
WSW	1.6	1.	2.5	1.1									7.1
*	1.5	2.	2.0	6.									6.9
WNW	8	1.	• 3	.2									2.7
NN		1.3	. 5	2.									2.7
NNN		1.3	. 5	2.									2.7
VARBL													
CALM	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	2	21.7
	14.3	27.8	26.9	9.3	•							10	100.0

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SEP	MONTH	00	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	COMPLION
GLENVIEW, ILLINDIS	STATION NAME			

14855 STATION

SPEED (KNTS) DIR.	::	9:+	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 · 40	41 . 47	48 - 55	8	*	WEAN WIND SPEED
	. 7	2.0	1,3									0.4	5.2
		.7										. 7	0.4
-		2.7	.7	.7								0.4	-
	. 7		2.0	.7								3.3	co
-	2.7	۲.	1.									0.4	3.5
-													0.9
	۲.											2.0	3.7
-													
	0.9	0.4	2.0	1.3								13.3	5.0
-		2.0	5.3									8.0	7.3
		3,3										3.3	4.8
	2.7	1.3	1.3									0.9	5.1
	5.3		2.0									12.0	4.5
-	1,3		1.3									2.7	5.5
-	3.3	2.0										0.9	0.4
			. 7									3.3	5.2
	\bigvee	X	X	X	\bigvee	X	X	X	M	\bigvee	\mathbb{X}	26.7	
	24.0	28.0	18.0	3.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

2

HOURS (L.S.T.)

SEP

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

SPEED (KNTS) DIR.	:3	• ÷	7 - 10	91 . 16	17 - 21	22 · 27	28 · 33	34 - 40	41 . 47	48 - 55	95 Al	*	MEAN WIND SPEED
z	1.3	2.0										3.3	3.8
NN	1,3	1.	1.3									3.3	2
NE NE		1.3	. 7	.7								2.7	7.8
ENE		1.3										1.3	-
E	. 1	1.3	1.3									3.3	5.6
ESE		. 7											5.0
SE			.7									7.	10.0
SSE	. 7	.7	.7									2.0	4.7
S	3.3	0.4	2.7									10.0	5.0
SSW	1.3		2.0	. 7								7.3	5.9
SW	1.3	1.3	2.0									4.7	5.6
WSW	1.3		2.0									5.3	
*	5.3		1.3									8.7	3.7
WNW	2.0		1.3									6.7	4.8
¥	. 7	2.0	1.3	.7								4.7	6.1
NNK	. 7	1.	. 7									2.0	5.0
VARBL													
CALM	\bigvee	X	X	X	X	X	X	X	\bigvee	X	\bigvee	33.3	
	20.0	26.7	18.0	2.0								100.0	3.5

150

TOTAL NUMBER OF OBSERVATIONS

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0000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

GLENVIEW, TLLINUIS

14855 STATION

YEARS

0.6 HOURS (1.5.T.)

SEP

CONDITION

MEAN WIND SPEED	6.5	7.0	10.8	6.3	7.0	5.0	0.6	4.4	5.2	7.4	6.3	6.7	5.5	4.1	4.3	4.5			3.8
×	0.4	1.3	2.7	2.0		1.3	1.33	3.3	8.7	5.3	5.3	4.7	7.3	0.8	4.7	5.3		34.0	100.0
% AI																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27																		X	
17 . 21																		X	
11 . 16			1.3															X	3.3
7 . 10	2.0		1.3	. 7		1.	1.3		2.0	2.7	1.3	2.7	2.0	•				X	19,3
*	1.3			1.3				2.7	5.3		1.3		3.3	3.3		2.0		X	23.3
.:	1.								1.3	1.3	2.0	1.3	2.0	0.4	3.3	2.7		X	20.02
SPEED (KNTS) DIR.	z	W.X	¥	ENE ENE	-	ESE	SE	SSE	5	SSW	NS.	WSW	*	WNW	ž	NN.	VARBL	CALM	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

6.9

100.0

14.0

33,3

35.3

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NN.

*

N. VARBL CALM

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WSW WSW

SSW

s

4.7

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

90 savon

SEP

7 - 10

SPEED (KNTS) DIR.

2.0

¥ = X

1.3

- ES 35 SSE

2.3

100.3 6.1 6.5 MEAN WIND SPEED 5.0 3 4 3 0.9 2.7 12.0 7.3 * 12 . 55 4 . 47 7 \$ 34 33 **58** . 27 22 . 2 1 11 - 16 1.3 1 3 4 2.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

Ha

14855

GLENVIEW, ILLINDIS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SEP	MONTH	12	HOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	CLASS	CONDITION
	STATION NAME			
GLENVIEW, ILL				

SS YS6 % WIND SPEED	4.7 9.1		8.0 11.2	8.0 11.2 6.7 8.2	-	-	-	18220	1182220	11822202									
. 40 41 . 47 48 . 55																			
28 · 33 34 · 40																			
17 - 21 22 - 27		1.3	. 7																
11 . 16 17	2.0	2.7	٠.					2	-	-	-	7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7						
7 - 10	1.3		1.2 8	2.7		2.0	2.7												
*:	1.	1.3	1.3		The same of the sa	1.3	1.3	1.3	1.3	1.3	E	E							
1.3	•		1.3	•		•	1.3												
(KNTS) DIR.	z	NNE	w w	ENE		-	ESE	ESE SE	ESE SE SSE	ESE SSE SSE	ESE SSE SSE SSW	ESE SSE SSW SW	ESE SE SSE SSW SW WSW	5 SSE SSW SSW SSW WSW WSW W	ESE SSE SSW SW WSW WWW	ESE SSE SSW SSW WSW WNW WNW NW	ESE SSE SSW SSW SSW WNW WNW WNW NWW NWW NWW NWW	ESE SE SSW SSW SSW WNW WNW NNW NNW NNW NNW NNW	SE SSE SSE SSW SSW WSW WNW NNW NNW NNW NNW NNW NNW

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DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

0000

15 HOURS (L.S.T.)

SEP

YEARS

73-77

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

1.3	• •	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 . 40	41 - 47	48 - 55	% A1	*	WIND
	1.	1.3	1.3	. 7							0.4	11.5
	1.3	2.7	. 7	.7							5.3	4.6
		2.0	2.7								10.0	7.9
1.	3.3	5.3	. 7								10.7	6.8
		5.3		1.0							12.0	8.1
		2.7									2.7	8.3
		1.									1.9	6.5
	1.3	4.7	1.3								7.3	
	2.7	2.0	4.0								5.7	
	1.	4.7	1.3								6.7	8.9
•	1.3	3.3	1.3								6.7	8.1
	2.7	4.0	2.7								10.0	8.3
		3,3	2.0								8.0	8.2
	1.		1.3								2.0	10.0
	.7		.7								1.3	9.5
\bigvee	\bigvee	X	X	M	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3,3	
2.7	29.3	42.0	20.7	2.0							100.0	8.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

GLENVIEW, ILLINOIS

0 0 0 DIRNAVOCEANMET SMOS

HUNE

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

6

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL MEATHER

250	MONTH	18	HOURS (L.S.T.)
The second second			
The second second			

YEARS

73-77

SEP

CONDITION	1		
CONDITION	- 1		
CONDITION	1		
CONDITION	-		
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	1		

		7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	VI 85	*	WIND SPEED
	7 2,0	2.7	1.3								6.7	8.3
	•	4.0									6.7	6.3
	7 2.7		1.3								4.7	9
	5.3	. 7	. 7								8.7	5.6
	1.	1.3									6.7	4.0
	2.	1.									0.9	4.
SE 1 3											2.0	5.3
SSE 1.		1.3									4.7	
	7 1.3	5.3	. 7								10.0	6.1
SSW	7 2.7	1.3									4.7	5.3
		.7	. 1								0.4	
	1.3 2.0	1.3									4.7	5.0
		.7	1.3								7.3	5.3
-1	.3 2.7	1.3									5.3	5.3
· ××	7.										1.3	
MNW	4.0	1.3		į.							5.3	
VARBL												
CALM	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	11.3	
25.3	34,	23.3	0.0								100.0	5.1

DIRNAVOCEANMET SMOS

14855 STATION

CLENVIEW ILLINGIS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

21 HOURS (L.S.T.)

SEP

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATION:S)

YEARS 73-77 ALL WEATHER GLENVIEW, ILLINUIS

14855

5221

CONDITION

5.3 4.9 4.7 7.6 4.0 9.3 3.3 4.2 3.3 4.2 3.3 5.6 3.3 5.6 3.3 5.6 3.3 5.6 3.3 5.6 3.3 5.6 3.3 5.8 3.3 5.8 3.3 5.8 3.3 5.8 3.3 5.8
505565
0 0 0 0 0
5 5 5 5 5
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36.7
36.7

800

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINDIS

14855 STATION

1550

ALL WEATHER

YEARS

ALL HOURS (L.S.T.)

SEP

CONDITION

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MEAN WIND SPEED	7.3	8.2	8.3	6.9	4.9	0.0	6.3	5.3	6.1	7.1	7.2	7.0	5.8	5.8	5.5	1.9			
₹ ≯ %	6	4	6			1			7	6	2	1			1		-	2	
*	6.4	4.4	*	4.	4.	2.	1.5	1.8	6	7.9	5.2	33	8.0	6.4	3	3.6		19.5	0 001
95 Al																		X	
48 - 55																		X	
41 - 47																		X	
34 - 40																		X	
28 · 33																		X	
22 - 27																		X	
17 - 21	•	. 2	2.		:				-									X	
91 . 16		. 7	1.2	5.	6.	7.			. 7	6.		. 7		*.	4.	٦.			. 2
7 - 10	1.6	1.7	1.3	1.6	1.7	1.1	60		5.9	3.2	2.0	2.3	2.2	2.0	0.	7:1			36.7
4.6	1.6	1.1	1.7	1.9	1.5	•	4.	1.0	3.7	5.9	1.0	1.0	3.2	2.1	1.5	1.9		X	28.7
1.3	805	9		. 7	1.2		2.		2.2	6.	. 7	1.1	2.4	7.0	1.2	•		X	0
SPEED (KNTS) DIR.	z	NNE	a z	ENE	4	ESE	SE	SSE	s	SSW	×s.	WSW	*	WNW	N.	WNN	ARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATION:S)

YEARS 73-77 ALL WEATHER CONDITION GLENVIEW, ILLINDIS

NOURS CL.S.T.

DCT

(KNTS) DIR.	1.3	4:4	7 . 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8 Al		,
z			2.6										2.6
W.Z	9	1.3	1.3	9.									3.9
¥		0.	9.	9.									1.9
ENE	9			9.									1.3
	0	9.	9.	9.									2.6
ESE			9.										9.
35		9.	9.										1.3
SSE				0.									9.
s	1.9	3	2.6	3.2									11.6
SSW	1.3	3.9	1.3	1.9	1.3								9.1
AS.	1.3	1,	9.										3.2
WSW	1.3	-	3.8										6.5
*	2.6		3.2	1.3									0.6
WNW	2.0	7	0.									1	5.8
X	2.6	5.6	9.									1	5.8
NNK	9.	•	6.1										3.2
VARBL													
CALM	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	1	30.3
	16.1	21.9	20.6	9.7	1.3								100.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100	MONTH	03	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	CONDITION
SLENVIEW, ILLINDIS	STATION NAME	4		

MEAN WIND SPEED	3.9 8.2	0.6	6 9.8	1.3 3.0	6 5.3	6 2.0	0.5 9.	9.0		•	6.7	0.5 9	-	,	1 4.4	5 5.9		. 1	3 7
*	ees.	1.9	2.6	-	2.6	•	•	•	11.6	13.5	3.9	2.6	10.3	4.5	7.1	4.5		27.7	0 000
VI 86																		X	
48 - 55																		X	
41 - 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27																		X	
17 - 21																		X	
11 . 16	9.	9.	1.3						1.3	1.3	9.		•			9.		X	
7 - 10	1.9	9.	9.		9.				5.2	4.5	1.3	9.	8	9.	1.3			X	
• :	1.3	9.	3.	\$	6.1		•		3.9	4.3	9.	1.3	5.6	1.3		3.2		X	
::				9.		9.		0	1.3	3.2	1.3	0	3.2	5.6	3.2	9.		$\langle \rangle$	
SPEED (KNTS) DIR.	z	N N N	¥	ENE	E	ESE	SE	SSE	s	SSW	S.W.	WSW	*	WNW	*N	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

YEARS (FROM HOURLY OBSERVATION:S) 73-77 ALL WEATHER GLENVIEW, ILLINDIS

2

06 HOURS (1.5.T.)

UCT HONTH

SURFACE WINDS

CONDITION

SPEED													MEAN
(KNTS) DIR.	· .	9.4	7 - 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	\$ 1	*	SPEED
z		1.3	2.6	0.								4.5	9.1
NN			ۥ1									1.3	8.5
¥	0.		9.	1.3								2.6	8.8
ENE			1.3									1.3	9.5
E	9.		1.3									1.9	6.3
ESE			9.									9.	8.0
SE	9											9.	2.0
SSE			1.3									1.3	0.6
s	3.2	3.9	3.2	1.9								12.3	6.7
SSW	1.3	5.6	4.5									11.0	7.8
SW	1.9	1.3	1.9	9.								5.8	6.2
WSW		3.2	1.3									6.5	6.1
*	1.9	3.2	2.6	9.								8.4	5.8
WNW	9.		9.									3.9	4.3
N	1.9	2.0	1.3									5.8	4.8
NNN	1.3	1.9	3.2									6.3	6.1
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	X	27.7	
	14.2	22,6	27.7	7.7								100.0	4.8

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SURFACE WINDS

SURFA SURFA ENT PERCENTAGE FREQUENCY OF WIND	DIRECTION AND SPEED	(FROM HOURLY OBSERVATIONS)	
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC			

100	MONTH	60	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CIASS	COMBITION
GLENVIEW, ILLINGIS	STATION NAME			

MEAN WIND SPEED	8.6	5.3	9.7	10.3	5.5	8.0		6.3	7.8	9.4	8.5	9.1	6.9	6.9	5.4	7.5			7.4
*	8.4	1.9	1.9	1.9	2.6	2.6		1.9	15.5	12.9	11.0	6.5	7.7	. O	7.1	7.7		4.5	100.0
95 4																		X	
48 - 55																		X	
41 - 47																		X	
34 · 40																		X	
28 - 33																		X	
22 . 27																		X	
17 . 21			9.						0.	,		٥.	9.					M	2.0
11 . 16	7.9			9.	9.	9.			1.3	3.9	5.6	1.9		9.		0.		X	14.8
7 - 10	4.3		9.	4		9.		ġ.	0.6	4.5	5.8	9.	3.2	2.6	1.9	5.2		\bigvee	40.0
•	1.9	1.9			o.	1.3		1.3		3.9	1.3	3.2		1.3	4.5	•		X	27.7
 			9.		1.3				9	5.	1.3		1.9	1.3	0	1.3		$\langle \rangle$	9.7
SPEED (KNTS) DIR.	z	ZZ	¥	ENE	3	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	××	MNN	VARBL	CALM	

9.5

7.2

9.6

6.9

8.3

155

TOTAL NUMBER OF OBSERVATIONS

8.3

SURFACE WINDS JAN 78

8 8 3

¥

ENE ESE

WZ Z

z

SPEED (KNTS) DIR.

MEAN WIND SPEED

5.0

SURFACE WINDS

140

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATION:S) DIRECTION AND SPEED

73-77

YEARS

ALL WEATHER

12 HOURS (L.S.T.)

DC T

CONDITION

*	3.9	7.1	6.5	1.3	2.6	3.9	9.	2.6	12.3	14.2	12.3	4 8	8.4	3.2	3.9	3.0	3.2	0.001
8																	\bigvee	
48 - 55																	\bigvee	
41.47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 - 27																	X	
17 - 21			0.							•							\bigvee	1.3
11 . 16	3.	2.6		9.		9.			3.2	4.5	4.5	1.9	2.6		9.		X	22.6
7 . 10	1.9	2.6	3.2		9.	1.3		1.9	5.2		5.5	5.5	3.9	1.5		2.6	X	22.6 42.6
•		1.9	5.6		1.9		9.	0.	1.9	1.9	5.6		1.3	1.3	1.3	5.6	X	
7.3	·O			9		9.			1.9			1.3	9.	5			X	7.7
	T																	

*

WNW

NW VARBL

CALM

0

0

WSW

S¥.

SSW

s

25 25

DIRNAVOCEANMET SMOS

)

14855 STATION

GLENVIEW, ILLINDIS

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Ē

SURFACE WINDS

100	MONTH	15	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	СОМВІТЮМ
SLENVIEW, ILLINDIS	STATION NAME			

SPEED (KNTS) DIR.	.:	9:4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	9 Al	*	MEAN WIND SPEED
z		9.	2.0									3.9	9.5
NN N	1.9	1.3	2.6	1.9								7.7	7.4
Z.	1.3	3.2	2.0	5.6								6.7	7.8
ENE		2.6	9.	9.								3.9	7.0
		3.2	1.3									4.5	6.4
ESE	•	-	1.3	1.3								5.3	7.6
SE	9•		0.									1.3	5.0
SSE	9.		9.									1.9	6.3
s	9.	9.	4.5	5.2								11.0	10.5
SSW		9.		2.6	1.3							7.1	11.5
SW		9.	3.2		1.9							0.6	11.9
WSW	9.	-										7.1	8
*	1.9	9.	7.1	3.9								13.5	9.0
WNW	9.	9.		9.								6.1	7.0
XX		9.	3.2		9.							4.5	9.6
NNN	9.	1.3	1.3									3.2	9.9
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	4.5	
	9.7	20.0	38.1	23.9	3.9							100.0	8.5

0

0

0

14855 STATION

888

155

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

5702 SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

2

SURFACE WINDS

ALL WEATHER

73-77

YEARS

18 HOURS (L.S.T.)

DCT WONTH

CONDITION

MEAN WIND SPEED	7.7 8.3	7.1 5.6	4.5 7.9	1.9 2.7	3.2 5.6	5.2 5.1	3.2 4.2	3.2 3.6	14.2 7.8	7.1 7.4	9.7 6.1	3.2 5.4	5.2 6.4	3.9 6.7	3.9 4.8	0.9 9.		16,1	
48 - 55 2 56																			
34 - 40 41 - 47																		X	
27 28 - 33																			
77 - 21 22 - 27			9.							9.								X	
 8.	1.3		9.			9.			3.2	9.	1.3	9.	9.					X	
7 . 10	4.5	3.8	1.3		9.	9.	9.		4.5	1.9	3.2		1.3	1.3	9.			\bigvee	
• •	6.1.3	9 1.9	3.	6	6 1 9	1.9	6.1 9	3 1.9	6.5	3.2	9 3.2	3 1,3		2.6	9.2 9.	9.		\bigvee	
1.3	•	1.9	1.3	1.9	9.	1.9	9.	1.3	1.9	٥.	1.9	1.3	9.		•			X	
SPEED (KNTS) DIR.	z	NNE	W.	ENE	F	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	NN	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

GLENVIEW, ILLINDIS

MEAN WIND SPEED

4 6 5 9 6

111

6.5 4.4 4.0 6.6

7.00.0

SURFACE WINDS

4049

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

GLENVIEW, ILLINDIS

14855 STATION

21 HOURS (L.S.T.) DC T

CONDITION

- 21 1

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

3

0 0

Z

z

ENE

w

0

WZ.

0

SE SE

0

E . 1 00.

4.5 1.3 1.3 12.9 5.2 5.2 3.9 6.5 5 4 W 30.3 100.0 12 48 - 55 . 47 7 34 - 40 28 . 33 22 . 27

.

3.9

0 6

1.9

1.9

3.22.20

N

*

WSW

0

*

VARBL

CALM

0

0

N N

0

6.1

3.8

2.6

SSW

•

0

200000

TOTAL NUMBER OF OBSERVATIONS

6

10.3

19.4

23.9

14.2

155

4.8

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0.00

)

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YEARS 73-77 ALL WEATHER COMDITION GLENVIEW TLLINUIS

ALL HOURS (LS.T.)

DCT TOWN

SPEED (KNTS) DIR.	1.3	9.	7 - 10	1 . 16	17 . 21	22 - 27	28 . 33	34 - 40	4 . 4	48 - 55	% AI	×	MEAN WIND SPEED
z	.2	7	2.8	.7								8 4	8.3
N N	0.	1.3	1.5	1.0								4.4	7.6
w Z	5	7.	1.2	8	~							3.9	8.2
ENE	5	•	4.	•								1.8	
	in.	7	9.	.2								2 8	5.6
ESE	φ.	•	0.	4.								2.3	
SE	€.	v.										1.1	4.9
SSE	3.	•	•	7.								1.9	7.3
s	1.7	3.1	4.7	6.5	• 2							12.7	8,1
SSW	1.1	5.9	3.3	7	9.							10.1	8.4
SW	1.1	1.5	3.1	1.9	.2							7.9	
WSW	5.	1.	2.0		1.							5.3	7.4
*	1.9	1.9	3.4	1.4	•							8.6	7.1
WNW	1.3	۲.	1.0	.2								4.4	
*	1.3	2.	1.4	1.	•							5.3	5.5
NNN	9.	-	2.0	. 2								4.6	6.7
VARBL													
CALM	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	18.1	
	13.4	24.	29.3	13,1	1.5							100.0	0.9

3456

DIRNAVOCEANMET SMOS

14855 STATION

11.0

0.9

MEAN WIND SPEED

%

128

. 55 8

11 . 16

7 . 10

4 . 6

..

SPEED (KNTS) DIR.

Z z

z

EN

.

ESE SSE

5.0

0 2 1 1 2 0

6.3

2.0

17.3

6.5

100.0

30.7

10.7

CALM

1111

7.1

12.7

6.3

6.3

2 6 6

10.5

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINDIS

14855 STATION

YEARS

NOURS (L.S.T.)

NON

ALL WEATHER

CONDITION

									\bigvee	
	1.3	2.0							$\langle \rangle$	0.4
	2.7		1.3	2.7	1,3		5.0	.,	$\langle \rangle$	14.0
1.3	1.3	3.3	2.1	1.3	0	1.3	4.7	2.1	$\left\langle \right\rangle$	23.3

2.0

*NX

1.3

2.7

. .

* × × VARBL

4 m 0

WSW

3

1.3

SSW S.W

8

2.7

.

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

2

18150 24351

)

MEAN WIND SPEED

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

. 3

0.4

Z

Z Z

- 2 × 2

. . . .

00000

150

5.00

SURFACE WINDS

4483

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

73-77 ALL WEATHER

YEARS

HOURS (L.S.T.)

NON

CONDITION

1.3 10.7 9.3 7.3 18.7 100.0 ۱۷ اک 48 - 55 41 - 47 34 - 40

1 4 2 4 9 7 7

2.

WSW WSW

SSW

S

2 4 5 2 1 3 0

3.3 1.3

WNW

*

* NNK VARBL CALM

9118

5.1

TOTAL NUMBER OF OBSERVATIONS

10.7

29.3

28.0

0

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

GLENVIEW, ILLINDIS

...

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

DOLL WOWL)	(IROM HOOKE OBSERVATIONS)	
GLENVIEW, ILLINDIS	73-77	NON
	YEARS	MONTH
ALL	ALL MEATHER	90
	CLASS	HOURS (L.S.
	CONDITION	

2.0 1.37		9:+	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	WIND
1.3 1.3 1.3 1.3 2.0 2.0 2.0 2.0 3.3 1.3 0 2.0 1.3 0 2.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3			1.3	.,								0.4	7.5
1.3 1.3 1.3 2.0 2.0 2.0 2.0 2.0 3.3 1.3 0.2 0.3 1.3 0.3 1.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0			. 7									1.3	7.0
3.3 2.0 3.3 2.0 3.3 2.0 3.3 1.3 7 2.7 .7 0 2.0 1.3 0 2.0 1.3 0 1.3 1.3			1.3									1.3	7.0
3.3 2.0 3.3 2.0 3.3 2.0 3.3 1.3 7 2.7 .7 .7 0 2.0 1.3 0 2.0 1.3 0 1.3 1.3												2.1	0.6
2.0 2.0 2.0 2.0 3.3 1.3 2.0 2.0 2.1 3.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0												1.3	8.0
2.0 2.0 2.0 2.0 2.0 2.0 2.1 3.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0													
2.0 2.0 2.0 3.3 2.0 3.3 2.0 2.0 2.1 3.3 2.0 2.0 2.1 3.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0		1.3										1.3	5.0
2.0 2.0 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7		. 7											0.4
2 2 0 2 0 2 0 3 3 3 2 2 0 3 3 3 1 3		2.7	3.3	2.0								8.7	8.2
2 2.0 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7		2.7										8.0	7.4
2.7 2.7 2.7 2.0 2.0 1.3 1.3 1.3 2.6 0.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0		2.0		2.0		.7						0.01	6.3
2.0 1.3 1.3 0.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3		3.3										6.8	6.1
2.0 1.3 1.3		0.9										11,3	6.9
0 2.0 1.3	2.0	2.7										7.3	5.5
1.3 1.3		2.0										0.9	7.9
7. 0.21		2.0										5.3	7.4
3.6.0.12.0													
. 3 26.0 12.0 . 7		V	X	X	\bigvee	21.3							
0.31	10.0	29.3	26.0	12.0	.7	.7						100.0	5.8

SMOS DIRNAVOCEANMET

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

HOURS (L.S.T.)

MONTH

YEARS

73-77

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

CONDITION

SPEED (KNTS) DIR.	1.3	•	7 - 10	9 . 11	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	VI 95	*	WEAN WIND SPEED
z			1.									1.3	7.0
NNE		2.7		.7								3.3	7.0
Z.			.7									.7	8.0
EX.			. 7									. 7	10.0
		1.3		. 7								2.0	7.0
ESE		1,3										1,3	80
SE				. 7								7.	1
SSE			2.0									2.7	7.0
s		6.6	3.3	2.0								8.7	8.0
SSW			0.4	1.3	1.							10.7	8.4
NS.		2.0	4.7									6.7	7.6
WSW	. 7	2.	0.4	1.3								8.7	7.8
*	2.0		3	5.3	. 7							16.7	80
WNW		1.3	2.7	2.0								0 9	9.1
×				4.0	. 7							7.3	10.2
NNN	2.0	4.0	2.0	2.0								10.0	6.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	12.7	
	6.7	29.3	29.3	20.0	2.0							100.0	7.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855 STATION

GLENVIEW, ILLINUIS

0

0 3

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

1111

SURFACE WINDS

NON	MONTH	12	HOURS (L.S.T.)	
73=77	YEARS	ALL WEATHER	CIVES	CONDITION
GLENVIEW, ILLINDIS	STATION NAME			

DIRNAVOCEANMET SMOS

14855 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2000

15 HOURS CLST.

NON

YEARS

73-77

GLENVIEW, ILLINOIS

14855

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

CONDITION

ALL WEATHER

4.0 8.7 MEAN WIND SPEED 3.3 1.3 9.3 2.0 2.7 4.7 100.0 12 48 . 55 41 - 47 34 - 40 28 . 33 22 . 27 • 2.0 . . 17 - 21 26.0 861-58 11 . 16 12.0 2.7 40.7 7 . 10 100 200 00 24.7 200 ..3 WSW WWW N N SPEED (KNTS) DIR. SSW VARBL CALM ¥ = X 25 22 22 25 25 25 3. * . z -

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

YEARS 73-77 ALL WEATHER COMDITION GLENVIEW, ILLINOIS

1.6 HOURS (L.S.T.)

NOV

SPEED (KNTS) DIR.	:	•	7 . 10	1 - 16	17 . 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% AI	*	WIND SPEED
z		. 7	1.3	. 7								3.3	7.4
NNE		. 7	. 7	.7								2.0	4.6
N.	. 7		1.3		.,							3.3	7.8
ENE												•	2.0
£			. 7	.7								2.7	7.3
ESE		. 1	. 7									1.3	8.0
SE				1.3								2.0	11.7
SSE				2.0								2.0	12.7
s	1.3	2.7	5.3	1.3								10.7	7.4
SSW		4.0	2.0	5.0								8.7	7.5
SW	1.3	2.0		3.3								8.7	8.2
WSW	1.3	4.0	3.3	. 1								9.3	9.9
*	2.7	5.3	4.0	4.7								16.7	7,5
WNW	2.0	-	2.0	1.3								6.7	7.1
XX	1.3	2.0										4.7	7.0
NNN		2.0	2.7									5.3	7.3
VARBL													
CALM	\bigvee	X	\bigvee	12.0									
	14.0	27.3	26.0	19.3	1.3							100.0	6.7

12.0

MEAN WIND SPEED

×

10.3

2.0

8.7

9.3 0.0

.

.

1.3

X X X

Z

7 - 10

1.3

SPEED (KNTS) DIR.

.

1.3

3.3

2.0

SSW NS.

s

2 2 2

-

200000

2.0

25.0

2.0

NNW N

NN X VARBL

WSW

0110

150

10.6

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATION:S)

73-77

YEARS

ALL WEATHER

21 HOURS (LS.T.)

NON. MONTH

CONDITION

7.8 2.1 0.0 4.9 12.7 20.0 8.0 100.0

TOTAL NUMBER OF OBSERVATIONS

.

2.0

16.0

27.3

27.3

0

0

0

CALM

0

DIRNAVOCEANMET SMOS

14855 STATION

GLENVIEW, ILLINDIS

1200

TOTAL NUMBER OF OBSERVATIONS

0

1

0

8008

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

GLENVIEW JLLINDIS

14855

YEARS

ALL HOURS (LS.T.)

NON

COMDITION

SPEED (KNTS) DIR.	÷	9.+	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	VI 96	*	WIND SPEED
z	2.	1.5	1.2	3.								3.5	7.2
W X		•	9	.7								2.2	8.7
w z	. 1		.5	7.	.2							1.5	7.6
ENE	2.	•		.2	.2							1.8	7.6
*	7	•	9.	.2			• 1					1.9	8.0
ESE	7.		4.									1.0	6.3
SE			•	3.	0.0							1.4	10.1
SSE	7.	7.	5.									1.4	10.2
s		2.3	3.7	2.1	.2							9.2	8.3
SSW		5.9	3.8	2.3	3.							10.2	8.7
X.S	1.0	2.	 	1.6	•	•						8.0	7.9
WSW	1.0	2.	3.5	1.5	7	7.						030	1.9
*	1.2	3.	5.1	3.7	.2							15.3	8.1
WWW	1.4		2.2	1.6								7.0	7.4
¥		2.0	1.9	5.7	.2							6.7	8.5
NNA	0.		2.3	1.0								9.9	7.3
ARBL													
CALM	X	X	X	X	\bigvee	13.5							
	8.7	27.4	29.9	18.5	1.7	.2	•					100.0	7.0

SMOS DIRNAVOCEANMET

155

TOTAL NUMBER OF OBSERVATIONS

200

00 HOURS (1.5.T.)

DEC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

73-77

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1.3	*:	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	VI 85	×	WEAN WIND SPEED
z		1,3	1.3	1.9								4.5	9.3
N.		9.		•								1.3	11.0
¥			9.	2.6	4							3.9	12.3
E E			1.3									1.3	8.5
•	0.			1.3								6.1	8.7
ESE	9.		6.1									2.6	
35		Ď.	5.1	9.								3.2	9.6
SSE	0		9.									1.3	
s		3.9	1.3	5.								5.8	0.9
SSW	1.3	7.9	3,9	1.9	9							7.6	8.9
SW	1.3	3.9	5.2	9.	9.							11.6	7,3
WSW	g.	5.7	2.6	2.6								7.7	8.3
*	9.	5.6	5.8	9.								1.6	7.3
WNW	2.6	1,3	2.0	1.3	· ·							0.6	8.5
WW	9.	9.	1.3	2.6								5.2	9,3
MNN		1.3	1.3	2.6								5.2	6.6
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	X	\bigvee	\bigvee	\bigvee	16.1	
	0.6	20.0	31.6	20.0	3.2							100.0	7.1

DIRNAVOCEANMET SMOS

14855 STATION

GLENVIEW, ILLINDIS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

=

SURFACE WINDS

YEARS 73-77 ALL WEATHER COMDITION GLENVIEW, ILLINDIS

14855 STATION

HOURS (L.S.T.)

DEC

1.3 1.3 1.3000000000 .	SPEED (KNTS) DIR.	£	•	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41.47	48 . 55	8	*	MEAN WIND SPEED
1.3 24.5 27.7 15.5 1.9				1.3	1.3								2.6	11.
3.6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .	NNE			1.9	1.3								3.2	11.
11.3666666666 .				9.		0.							1.3	15.
1.3 3.5 24.5 27.7 15.5 1.9		1.3			0								1.9	5.3
1.9 2.6 .6 .6 .6 .6 .6 .1.3 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .6 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1		1.3		9.	7								3.2	8
1.9 2.6 .6 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .6 .1.3 .7.7 15.5 1.9			5.		9.								1.3	8.0
1.9 2.6 .6 1.3 3.2 3.2 3.9 1.3 4.5 1.3 .6 1.9 1.9 3.9 1.3 .6 1.3 3.9 1.9 .6 1.3 3.9 1.9 .6 1.3 3.9 1.9 .6 1.3 5 24.5 27.7 15.5 1.9			9.	•									1.9	8
1.9 2.6 .6 1.3 3.2 3.9 1.9 1.3 .6 1.9 1.9 3.9 1.3 .6 1.9 3.9 1.3 .6 1.3 3.9 1.9 .6 1.3 5 24.5 27.7 15.5 1.9		5		•									2.6	5.
1.3 3.2 3.2 3.9 1.3 4.5 1.3 .6 1.9 1.9 3.9 1.3 .6 1.3 3.9 1.3 .6 1.3 3.9 1.3 .6 1.3 3.9 1.9 .6 1.3 5 24.5 27.7 15.5 1.9		1.9											5.2	4.
1.3 4.5 1.3 .6 .6 1.3 3.9 1.9 .6 .6 2.0 3.9 1.3 .6 1.3 3.9 1.9 .6 1.3 24.5 27.7 15.5 1.9		1.3		3	3								11.6	80
1.9 1.9 3.9 1.9 .6 .6 .6 .1 3.5 24.5 27.7 15.5 1.9		1.3											7.7	5,6
1.9 1.9 3.9 1.3 .6 1.3 3.9 1.3 .6 1.3 3.9 1.9 .6 1.3 3.9 1.9 .6 1.3 5 24.5 27.7 15.5 1.9	>	9.											7.7	3
1.3 24.5 27.7 15.5 1.9		1.9				• 6							7.6	7.
1.3 3.9 1.9 .6 1.3 1.9 3.2 1.3 24.5 27.7 15.5 1.9	-	0.		3.	_	9.							0.6	8
13.5 24.5 27.7 15.5 1.9		1.3		1.									7.7	6.6
13.5 24.5 27.7 15.5 1.9		1.3		3									6.3	0.9
13.5 24.5 27.7 15.5 1.9	_													
24.5 27.7 15.5 1.9	-	\bigvee	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	X	X	16.8	
		13.5											100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

	DEC	MONTH	90	HOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATION:S)	73-77	YEARS	ALL WEATHER	CIASS	MOLLIGACO
S	NVIEW, ILLINGIS	STATION NAME			

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

14855

SMOS DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

184

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINOIS

14855 STATION

00 HOURS (L.S.T.)

DEC

YEARS

ALL WEATHER

CONDITION

1	
1	
1	
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MEAN WIND SPEED	11.0	10.3	20.0		9.8	2.5	4.0	7.1	8	7.5	10.3	9.3	8.4	10.0	7.9	7.0			7.7
*	6 €	4.5	9.		2.5	1.3	9.	6.9	7.1	9.8	7.8	7.1	12.3	7.1	6.5	0.6		11.6	100.0
% AI																		\bigvee	
48 - 55																		X	
4 - 14																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27														9.				\bigvee	9.
17 - 21	9.		9.								9.		9.					X	2.0
11 . 16	1.9	3.5			1.9			1.3	1.9	5.6	2.6		9.5	2.6	1.9			X	24.5
7 - 10					2.0			1.9	3.9	1.3	3.9	6.0	4.5	1.3	5.2	5.2		X	31.6
9.4		0					5.	1.3	9.	3.2	1.3	5.	3.2	1.3	9.	3.9		X	17.
1.3	1.3	0			\$	1.3		1.9	0.	1.3		9.	1.3	1.3	9.			X	11.6
SPEED (KNTS) DIR.	z	N.	¥Z	Z.	w	ESE	SE	SSE	s	SSW	×s.	WSW	*	WNW	ž	NNN	VARBL	CALM	

0

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATION:S)

200

SURFACE WINDS

73-77

GLENVIEW, TLLIMOIS

YEARS

ALL WEATHER

12 HOURS (L.S.T.)

DEC

CONDITION

SPEED (KNTS) DIR.

z z z z

MEAN WIND SPEED	9.8	12.0	17.3		8.7	7.5	8.0	7.6	8.6	8.4	11.2	8.8	8.2	9.6	8.0	10.7		8.5
×	6.9	2.6	1.9	1.9	5.8	1.3	9.	5.8	7.7	9.7	7.1	9.8	18.1	4.8	3.9	3.9	6.3	100.0
≥ 56																	\bigvee	
48 - 55																	\bigvee	
41 - 47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 - 27																	\bigvee	
17 - 21	1.3		3						9.							9.	\bigvee	3.9
11 - 16	1.9	1.3	9.	9.	2.6			1.3	1.3	2.6	5.2	3.2		3.9		9.	\bigvee	31.0
7.10	9.	1.3			1.3	9.	9.	1.3	3.2	3.9	9.	2.6	5.8	1.9	2.6	5.7	\bigvee	28.4
9.4	1,3			1.3	1.3	9.		5.1	9.	2.6		1.9		1.9	1.3	9.	X	20.0
1.3	1.3				9.			1.3	1.9	9.	9.	9.	5.6	9.			X	10.3

* WW

SSW

.

WSW WSW

SS SS SS

NW NNW VARBL

CALM

0

0

DIRNAVOCEANMET SMOS

14855 STATION

H

155

TOTAL NUMBER OF OBSERVATIONS

15 HOURS (L.S.T.)

DEC

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER GLENVIEW, ILLINDIS

14855 STATION

CONDITION

(KNTS)	.:	9 .	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% AI	*	WIND SPEED
z		9.	1.3	1.9								3.9	10.3
W.	•	•		1.3								3.2	6
Z.	9.	1.3	2.6	9.								5.2	7.6
ENE		1.3										1.3	4.5
	1.3	1.3	1.3	1.9								5.8	8.2
ESE		1.3	0.									1.9	5
SE			7.9									1.9	8.3
SSE			-									1.3	
50		3.9	6.1	-	•							7.7	3.6
SSW		3.9	2.6	3.9	9.							11.0	9.2
SW		5.0		2.6								6.5	
WSW	1.3	3.9										11.0	7.9
*	9.	1.3	5.3	6.5	9.							14.8	01
WNW	9.			3.5								7.7	80
¥	9.	9.	3.9	9.								5.8	8
NNN		1.3	1.9	9.								3.9	8.2
VARBL													
CALM	X	X	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	7.1	
	5.0	25.8	32.9	26.5	1.9							100.0	8

9111

155

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

1

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

18 HOURE CLST

CONDITION

MEAN WIND SPEED	6.8	_	6 7.0	3 8.5	5 7.0	2 8.0	9 7.3	6 4.8		8.8	4 8.5	-	1, 7.5	2 6.4		5 3.9		7	
×	2.6	2.6	2.6	1.	4.5	3.2	1.9	2.6	0.6	80	8	6	8.5	3.2	7.7	4.5		6.1	
% AI																		\mathbb{X}	
48 . 55																		X	
41 - 42																		X	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 · 27																		\bigvee	
17 . 21		9.							9.	9.			9.		9.				4
1. 5 5	9.	1.3		9.	1.3	9.	9.		4.0	1.3	3.2	1.3	2.6		5.6			X	
7 . 10		0.	1.3		1.3	1.3	9.	9.	3.2	3.9	2.0	2.6	4.3	1.3	2.0	9.		X	
•;	1.9		1.3	9.	9.	1.3		9.	1.9	1.9	1.3	3.9	0.6	5.1	9.	-		X	7 11 1
					1.3		9.	1.3	1.	0.	1.3	1.9	1.3		1.3	2.6		X	
SPEED (KNTS) DIR.	z	N.	WZ.	Z.		ESE	35	SSE	5	SSW	NS.	WSW	*	WNW	¥	WNN	VARBL	CALM	

SMOS DIRNAVOCEANMET

14855

GLENVIEW, ILLINOIS

TOTAL NUMBER OF OBSERVATIONS

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

14855 STATION

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

E

090	MONTH	21	HOURS (L.S.T.)	
73-77	YEARS	ALL MEATHER	CIASS	COMPITION
GLENVIEW, ILLINDIS	STATION NAME			

MEAN WIND SPEED	6.3	12.0	10.5	8.0	8.8	8.8	5.8	5.5	7.9	7.4	8.4	6.3	8.8	6.1	7.1	10.0			
*	1.9	2.0	2.6	9.	3.9	3.9	2.6	1.3	9.7	0.6	10.3	7.1	13.5	11.0	7.1	5.2		7.7	
% AI	1																	X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27																		X	
17 - 21											9.		9.					X	
11 . 16		1.9	•		1.3	9.			7.0	1.3	3.5	1.3	5.5	9.		1.9		X	
7 - 10	1.3	3.	7.0	9.	9.	5.6	1.3	0.	3.0	3.9	2.6	1.3	2.6	3.2	4.5	1.9		X	2 00
9.4	9.				7.9	9.	9.					3.2	2.6		1	1.3			0
1.3							5		1.3	1.9	5.6	1.	5.6	2.6	9.			\bigvee	
SPEED (KNTS) DIR.	z	NNE	N.	ENE	£	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	¥	NNN	VARBL	CALM	

1240

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

GLENVIEW, ILLINDIS

14855 STATION

CONDITION

ALL HOURS (LS.T.)

OFC.

8.9 2 00 00 11.6 7.2 8.3 4 5 5 00 MEAN WIND SPEED 13 5 5 3 11.6 2.5 2.2 3.0 3.0 5 6 7 6 100.0 8 7 26 . 55 8 41 - 47 34 - 40 . 33 28 60 • • 22 - 27 0 m -2.5 222 2 -• 17 - 21 1200011 000 21.5 11 - 16 2.4 58.6 0000 1.0 3.7 044 7 . 10 1.6 22.8 2.2 2 2 2 2 4 . 6 00 . 3 KNA NN X VARBL CALM SPEED (KNTS) DIR. Z Z SSW WSW Z Z ESE SSE S¥ w * z S

(7')

()

0

3880

0

0

ALL HOURS (LS.T.)

ALL

8.7

8.5 6.9

WINDS SURFACE

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

12139 92181

73-77

GLENVIEW, ILLINDIS

14855 STATION

YEARS

ALL MEATHER

5 7

SSE SSE

0

3 - 0 5 - 5

SSW *

5

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WSW * * *

4.6

SPEED (KNTS) DIR.

ZNZ

Z Z

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25.8

VARBL *XX

()

0 0

ž

0

CALM

9980

3 2 2 3 2 5

7.1

7.3

6.1

TOTAL NUMBER OF OBSERVATIONS

14607

6.0

1911

1868

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATION:S)

200

SURFACE WINDS

CIG 200 TO 1400 FT W/VSBY 1/2 MI UR MURE, YEARS INSTRUMENT

73-77

ALL HOURS CLET

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	::	•	7 . 10	9: :	17 . 21	22 - 27	28 · 33	34 · 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z	5.	7	3.2	5.4	5.							8.2	9.0
N X	9	2.0	2.1	2.1	.3	2,						7.3	9.2
a Z		1.4	2.5	1.8	•	2.						6.7	6.6
FNE	. 7	1.4	2.2	1.3		7		.1				6.5	8.6
	1.3	1.9	2.4	2.2	7.							8.0	8.0
ESE	9.	-	1.4	9.	1.							30	7.3
SE	8	. 7	1.0	€.								2.3	6.9
SSE	• 1	1.3	1.1	9.	•							3.2	8.2
•	6	2.	2.7	1.2	•							7.1	7.6
SSW	6.	2.	2.2	1.0	.2							7.9	7.4
SW	۲.	2.	2.2	1.1								9.9	7.6
WSW	8	1.	2.1	1.6								8.8	8.0
*	1.	1.3	2.0	1.	4.							5.1	8.3
WNW	4.	1.	1.	9.	•							2.8	7.4
×		1.1	1.1	. 7	7.							3.5	7.9
NNN	5.		1.6	9.								4.0	7.6
VARBL													
CALM	\bigvee	X	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	13.1	
	10.0	24.	30.7	8.8	2.3	9.						100.0	7.1

0

DIRNAVOCEANMET SMOS

14855 STATION

GLENVIEW, ILLINOIS

NWSD, Federal Building Asheville, N. C.

DART D

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- . Annual all years and all hours combined
- 2. By month all years and all hours combined
 - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visi-Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of ferring to totals in the extreme right hand column. Also, visibility may be determined independently by bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

Û

	O AI	7)	95.6				98.1		100.0
	7	7								
	> 5/16	\langle	1							
	VI N									
	% Al))							
	% Al)()							
(S)	7		(7.72		98.3
VISIBILITY (STATUTE MILES)	71 71	1								
BILITY (ST.	×1 ≤	3								
VISI	2	(6.96
	≥ 2%	3(
	N N	7		91.0						7.56
	VI	7								
	\$ 1	7)							
	9	\ (
	0 10	3	1							
CEILING	(FEET)	NO CEILING		1800	N 1200	VI VI	VI VI 0 00 0 00	VI VI	% % % %	8 °

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given In the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "celling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.

NOTE:

Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

TENTHS	0 4 w4 v0 @ @ o	27
ଥା	(per obe mad)	
OKTAS	0 1 0 m 2 m 0 F 0)

CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAC

....

00 HOURS (1.5.T.)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	9	% Al	1	8 1	≥ 2%	1 A	41 7	71	-	% AI	*	% AI	≥ 5/16	NI NI	0 4
NO CEILING	-		39.4	0.04	0	0	0.04				40.0	0.04		0		40.0
≥ 20000	;	40.7		43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	3.	3	43.2	43.2	43.2
	4					873		43.9		43.9	43.9	43.9		43.9		43.9
14000	4	41.3	43.5	43.64	43.9	43.9	43.6	43.9	43.9			43.9	43.9	•	43.9	43.9
	*		43.2	43.9	43.9		6.84	43.9			43.9	43.9				43.9
> 12000	35.5		44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	0		48.4	0.65		0.64		0.64		•	•	6	6	0.65		0.65
000	0		48.4	0.64	0.64	0.64	•	6		49.0		6	49.0	0	6	49.0
	1		52.3	52.9	52.9				•			•		52.9	52.9	52.9
7000	5		54.5	54.8	*	*	54.8	54.8	54.8	54.8			;		4	
1	3		34.8	55.5	55.5	5.		5	5			•	55.5	•		55.5
2000	3		*	55.5	•		55.5						3		3	55.5
	5		56.8	57.4	\$1.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	37.4	57.4		57.4
1 4000	. 9		57.4	58.1	58.1		58.1		00	150			8	8	8	
	.0		57.4	58.1	58.1	58.1	58.1	30		00		58.1			58.1	
3000	-				63.9	63.9	5.50	8.69	65.8	65.8	65.8			65.8	65.8	65.8
	-		00	0.69	0.69		70.3	71.0	71.0		71.0	-		-	71.0	
7 2000	-		72.9		+	74.2			76.1	76.1	76.1	76.1		76.1		
			*	75.5	5	5		77.4	77.4	77.4	77.4	-	-	7.	-	77.4
> 1500	3			78.1	8	60		0	0		80.7				80.7	80.7
	55.5	72.9	78.1	0	80.0	80.0	-	82.6	2	2		85.6	82.6	2	82.6	82.6
V 1000	3		80.7	82.6	3	3	8.50	86.5		86.5	.0	86.5				
00 AI	5		81.9	84.5	85.2	w.	88.4	89.7		89.7	89.7	89.7	6	89.7	5	89.7
008 AI	5		82.6	85.2		•	89.7	•	91.0	91.0	•	=		-		91.0
	'n		82.6	86.5	87.7	87.7	91.6	95.9	2	95.9	2	6.26	95.9	92.9		95.9
009	5		82.6	86.5	87.7		92.3	93.6	93.6		93.6	93.6	93.6	93.6	93.6	
	5		82.6	86.5	87.7	87.7	93.6	8.46	+	8 . 96	8.46			8.46		8.76
V 400	55.8		82.6	86.5	87.7	87.7	94.2	95.5	95.5	96.1	1.96	96.1	1.96	1.96	96.1	96.1
	5		95.6	86.5	87.7	87.7	94.2	65.5	95.5	96.1	4.16		•	4.16	4.16	97.4
700	55.5		82.6	86.5	87.7	87.7	34.5	95.5	95.5	97.4	7.86		1.86	7.86	1.86	98.7
8	5		82.6	86.5	87.7	87.7	34.2	95.5	95.5	90.1	4.66		•	00.00	00.00	0.00
٨١	3		82.6	86.5	87.7	87.7	94.2	95.5	95.5	98.1	4.66	99.4	100.00	100.001	00.00	0000

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

00000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CLENVIEW, TLLINUIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.) MONTH

200

CEILING							VIS	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	VI 5	9 11	\$ 41	A)	۸I	2 2 1/2	1 2	V1 V	71 72	Ā	% Al	₹ Al	Z Al	≥ 5/16	AI	AI
NO CEILING	33	0	1:	-	1:	-	:	1	1	-	1	1.3	-	-	-	-
≥ 20000	36.1	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2		45.2					45
	0		4				5.	5	5	10	5	5.2		5	5	5
≥ 16000	0	60	•	45.2		'n	45.2		3	•	•	5.5			5	45.
	36.1	43.2			45.2	45.2	5	2		45.2	5	5.2	45.2	3	5	3
≥ 12000	0	44.5	•	9	•	9			46.5	•	•	6.5		.0		.0
≥ 10000	W.	48.4	•		•	•					51.0	1.0				-
	38.1		•	-	-	-		-	-	-	-	1.0	-	-	-	:
8000	38.7	6	•	•	52.9	2	2.	2.	•	2.		5.9	2	2.	2	2
7000	40.0	51.0	•	4 .	. 4		4					4.8		*	;	*
0009		-			. 4	*			4	\$	54.8	4 . 8		4	*	*
2 2000	-	52.3		9					6	•	9	6.1	9		.0	
	43.2	*		8	58.1	8		8		00	8			8	8	8
1 4000	*	54.5	•							8	58.1	8.1	00	8	8	8
		3		œ	8	00	8		00	8	00	8.1	8	0		8
3000	•	0.09			63.9	4	*	;		4	+	4.5	4		*	;
	00	N		-	-	-	-	1.		-	-	1.7	-	-		-
2 2000	0	. 0	•			2		2.	2	2	•	6.2	3	2.	2	2
7 1800	50.3	66.5	70.3	71.6	72.3	72.9	73.6	73.6	13.6	73.6	13.6	73.6	73.6	73.6	73.6	73.6
- 1	2.	3	•	00	5	0		-		-	-	1.3	-	:	:	-
7 1200	2	73.6			•	-		5.		~		5.6	2.	2.	5	2.
1000	2	*		-	-	60				. 4	4 .	4.5	*	*		;
000		ċ			85.8	-	-	8	00	8	8	8 . 4	8	8		8
	2	76.1		5	-	6		-		-	-	1.6	:	:	:	-
700	2	. 9			89.0	0	-	2.	2.		*	4.2		*	*	;
000	2	76.1		. 9		-	N	3			4.	8.4	*	*	;	*
> 200	2.	76.1			89.7	-	2	2.46		5	3	5.5	3	5	5	5
		76.1	•	9			93.6	*	+	9	-	\$.		97.4	-	-
300	~	76.1		• 0		-	. 4	96.1	•	00	8	8.7		8		8
1 200	2	76.1		. 9	89.7		*	1.96	1.96			9.41	10.00		•	0000
8	N	76.1				91.0	8 • 56	1.96		1.86		14.	10.00		0.00	0000
	25.9	76.1		.0			3	0		0		14.6	0	0	0	

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

54.2

54.2

54.5

49.7

53.6

53.6 53.6

53.6 53.6

53.6

52.3 53.6 24.5

51.0 51.6

49.7

49.7 49.7

49.7 49.7

49.7

1.64

48.4

47.1

45.8 49.7

34.8

38.1 38.7

2000

AI AI

54.2

54.5

34.5

54.2 54.5

54.2 54.2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

12574-95191

522/

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

00 HOURS (1 S T)

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JAN MONTH

41.9 1 ٨١ ≥ 5/16

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AI

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AI

21/2 ٨١

۳ ۸۱

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2

(FEET)

0 0	SO	S		-
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424	45.	4 4 5	4 6 4	2
	45.2			
	0 0	2 4	4 4	_

45.2 45.2

45.5

45.5 45.2

45.2 45.2 45.2

45.2

45.2

43.2 44.5

44.5 45.2

31.6 42.6 43.2

45.6

31.6

VI VI 0009 16000

31.6

NO CEILING

× 20000

54.2 54.2 45.2 54.5 45.2 54.2 45.2 53.6 45.2

45.2

6.67

49.7

49.7

48.2

45.2 45.2 45.2 45.2 45.2 45.2

45.2

31.6 42.6 43.2 44.5 45.2

49.7 49.7

43.2 44.5 45.2

45.6

31.6

12000

34.8

48.4

47.1

45.2 45.2 45.2

49.7 49.7

45.2

54.5 54.5 54.5 55.5 58.7 55.5 55.5 58.1 58.1 0.09 0.09

55.5

55.5

55.5

55.5 55.5

55.5

52.9 54.2 55.5

56.8 58.1

55.5

54.2

41.3

51.6

0.00

5000

AI AI

51.6 52.9 54.2

52.9

50.3 50.3

38.7

54.2 54.2

54.5

58.7 0.09

58.7

58.7 58.7 58.7

58.1

58.1

58.1

58.1

58.1

58.1

58.7

57.4

56.1 57.4

56.1

41.9

54.8

41.3

4000

AI AI

58.1 0.09 55.5 58.7 0.09 58.1 63.2

58.7

63.2 65.2 65.2 69.0 69.0 71.0 77.4 0.69 11.0 53.5 65.2 65.2 77.4 77.4

0.69 71.0

0.69

0.69

0.69 0.69

0.69 0.69

65.2 66.5

71.0 77.4

71.0 0.69

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11.0

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4.89

67.1

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1500

AI AI

44.5

2500

۸۱ ۸۱

73.6 76.1

71.6 73.6 80.7 83.9

85.2 89.0 85.2 0.68 89.7

85.2 89.0 89.7 92.3

85.2

85.2

84.5

77.4

76.8

76.8 76.8

76.1

83.9

84.5 84.5

0.68

89.0

87.7

87.7 87.7 87.7 87.7

87.1 87.1

87.1

80.7 83.9 87.1

74.2

0.65

76.1 76.1 76.1 76.1 76.1 76.1 76.1

49.7

88

ALAI

74.2

0.65

1200

ALAI

89.7

89.7 65.3

87.7

80.3 92.3

90.3 90.3

6.36

2.46 94.2

34.5

92.3 92.3 92.3

65.3

90.3 91.6

82.6 85.8 89.0 89.7

94.2

65.3

6.26

85.2 0.68 69.7 89.7

77.4 85.2 89.0 89.7

92.3 92.3

77.4

71.0

0.69

63.2 65.2

63.2

63.2

63.2

63.2 65.2

63.2

63.2

63.2

61.9 63.2

2.09

59.4

43.5

3500

AI AI

60.7 63.2

43.9

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0.00 0.09

0.09 0.09

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65.2

65.2

65.2

61.9 63.2 65.2 65.2

60.09

71.0

94.2 34.5 34.2 92.3 90.96 2.46 2.46

2.46

94.2

2.46 8.96 8.96 8.96 96.8

8.96

2.46 94.2

98.1

1.86

98.1

95.5

95.3 94.8 95.5

94.8

98.7

98.7

98.1

98.1

95.5

8.46

95.5

8.46

93.6

91.6

86.5

85.6

76.1

80

AI AI

91.6

86.5

95.6

76.1

91.6

86.5

82.6

49.7 1.64

88

ALAI

91.6

82.6

82.6

49.7

8 8

AI AI

96.8

96.8 8.96

8.96 8.76

95.9 94.2 94.8

96.8

8.46

8.46 2.46

65.6

82.6 86.5 91.0 86.5 91.0

86.5 90.3 91.6

95.6

82.6

49.7 49.7 49.7

88

AI AI

17.66 98.7

1 4 A B B

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

GLENVIEW, ILLINOIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.9 HOURS (1.5.7.) NAL HON

	٨١	38.		04		43.		47.	52.	53.	53.		58.	59.			-	2		3	-	89.					96.	97.	. 86	66	00	00.
	7	38.1	50	0	0		-	1.		3	3	5	8	6	:	4		2	5	6	-	89.0	-	3	4	;	0	-	8	8.	6	99.4
	≥ 5/16	38.1	000			*	-	-		(1)	53.6	5	80	0	-	. 4	-	2	5		-	89.0	-	3.	94.2	8.76		4.16			4.66	4.66
	N N	38.1	0			•		1.		3.	53.6	5			-			2	5	6	-	89.0	-	3	*		9	4.16	98.7	1.86	7.86	1.86
	*	38.1	0			3	-	7.	2.	3	•	3	8		-	4		5.	5	6	-	8	-	2.				. 9	1.		4.16	97.4
	% AI	38.1	50		0		1.	7.	52.3	3		3	8	6	-	*		2	5	6	-	8	-	5	3		.0	•	7	7.	4.16	
.ES)	Ā	38.1	6		0			7.	•	3	•	10	*	6	-			~	3	6	-	88.4	-	2	3			.9	•			96.8
VISIBILITY (STATUTE MILES)	¥1 Y	38.1	00	40.0		43.9	-		52.3	19		3	8	6	-	3	1.	2	75.5			8	-	92.9		*						.0
SIBILITY (S	۷۱ %	38.1	0		0	•		7		3	3	5	8	6	-:	4		3	5	6	-		0	2	2		*	5	1.96	1.96	96.1	1.96
ž	AI	38.1	:	40.0		43.9		47.7	52.3		53.6		7.	8	.0	3	9	2		8		87.1	6		2		•	94.2		94.8		94.8
	1 2%	38.1	0	40.0	0	10	-		•	2	•	,	6.	00	0	10	100	0	~	8	œ	83.9	.0	-		6		90.3	0.16	-	91.0	91.0
	N AI	37.4		39.4			•		49.7		51.0	•	. 4	56.1		0	2	67.1	6	2	3	80.7	2			3	35.8	3	85.8			85.8
	AI AI	36.8	3 60	8	0	2.	5.	45.8	8	6	49.7	-			4	0	0	3	3	œ		74.8		8			78.1	78.1	78.1		78.1	
	\$ AI	35.5	-			40.		3					-		2	.9		:	63	65.	67.		3	2	73.6	175		74.2		74.2		74.2
	۰ ۸۱	35.5	37		-	-	43.2	43.2	45.2	46.5	46.5		49.7	51.0	51.6	54.8	56.8	59.4	61.3	63.2	65.2	67.7	0.69	0.69	69.7	69.7				70.3		70.3
	VI 5	2.88		30.3				33.6	35.5	36.1	36.1		38.7		38.7	40.7	45.6	43.9	44.5	45.2	45.8	45.8	3	45.8	45.8	45.8	45.8		45.8	45.8	5	45.8
CEILING	(FEET)	NO CEILING	00081	141	14000	≥ 12000	N 10000	0006	0008 A		0009 ~	> 2000		4000		3000		Y 2000		≥ 1500		2 1000		008 AI		0 AI	2 500	A1		700	8	0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

JAN

9999

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) 2.5 2.4 2.3 2.2% 2.2 2.1% 2.1% 2.1% 2.1 2.4 2.4 2.4 2.4 2.5 2.0 2.0	.4 38.7 38.7 38.7 38.7 39.4 39.4 39.4 39.4 39.4 39.4 39.4 3	3.9 45.2 45.8 45.8 45.8 46.5 46.5 46.5 46.5 46.5 46.5 46.5 46.5	3.9 45.2 45.8 45.6 45.8 40.5 40.5 46.5 40.0 40.0 40.5 40.5 40.5 40.5	3.9 45.2 45.8 45.8 45.8 46.5 46.5 46.5 46.5 40.5 40.5 46.5 46.5 46.5	3.9 45.2 45.8 45.8 45.8 46.5 46.5 46.5 46.5 46.5 46.5 46.5 46.5	7.7 49.0 49.7 49.7 49.7 50.3 50.3 50.3 50.3 50.3 50.3 50.	52.3 53.6 54.2 54.2 54.2 54.6 54.8 54.8 54.8 54.8 54.8 54.	52.3 53.6 54.2 54.2 54.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8	58.1 59.4 60.0 60.0 60.0 60.7 60.7 60.7 60.7 60.7	38.1 60.0 60.7 60.7 60.7 61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3	58.1 60.0 60.7 60.7 60.7 61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3	58.7 60.7 61.3 61.3 61.3 61.9 61.9 61.9 61.9 61.9 61.9 61.9 61.9	58.7 60.7 61.3 61.3 61.3 61.9 61.9 61.9 61.9 61.9 61.9 61.9 61.9	60.0 61.9 62.6 62.6 62.6 63.2 63.2 63.2 63.2 63.2	61.3 63.2 63.9 03.9 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	62.6 64.5 65.2 65.8 66.5 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1	67.1 69.0 69.7 70.3 71.0 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6	70.3 72.3 72.9 74.2 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1	72.3 74.8 75.5 76.8 78.1 78.7 78.7 78.7 78.7 78.7 78.7 78	73.6 76.1 78.1 80.0 81.3 82.6 83.9 83.9 83.9 83.9 83.9 83.9 83.9 8	74.2 78.7 80.7 82.6 84.5 85.8 87.1 87.1 87.1 87.1 87.1 87.1	75.5 81.9 83.9 85.8 87.7 89.0 90.3 90.3 91.0 91.0 91.0 91.0	76.1 82.6 86.5 88.4 90.3 91.6 92.9 92.9 93.6 93.6 93.6 93.6	76.1 82.6 86.5 88.4 91.0 92.3 93.6 93.6 94.2 94.2 94.2 94.8 94.2	76.1 83.2 87.1 89.0 91.0 92.9 94.2 94.2 94.8 94.8 94.8	76.1 83.2 87.1 89.0 91.6 92.9 94.2 94.2 94.8 94.8 94.8 94.8 94.8	76.1 83.2 87.1 89.0 91.6 92.9 94.2 94.2 94.8 94.8 94.8 94.8 94.8	76.1 83.2 87.1 89.0 91.6 93.6 94.8 95.5 96.1 96.1 96.1 96.1 96.1 9	76.1 83.2 87.1 89.0 91.6 94.2 95.5 96.8 97.4 97.4 98.1 98.1 98.1 98.1	76-1 83-2 87-1 89-0 91-6 94-2 95-5 96-8 98-1 98-1 98-7 99-4 9	5-1 83.2 87.1 89.0 91.6 94.2 95.5 96.8 98.1 98.1 98.7 99.4100.01	23.7 27.1 80.0 01.4 04.0 05.4 04.2 08.1 08.1 08.7
A1	.4 38.7 38.7 3	.9 45.2 45.8 4	.9 45.2 45.8 4	.9 45.2 45.8 4	.2 45.8 4	4 L.64 0.6	.6 54.2 5	.6 54.2 5	09 0.09 4.	0.0 60.7 6	60.0 60.7 6	60.7 61.3 6	60.7 61.3	61.9 62.6 62	.3 63.2 63.9 63	.6 64.5 65.2 65	.1 69.0 69.7 7	3 72.3 72.9 7	3 74.8 75.5 7	6 76.1 78.1 80	78.7 80.7 8	81.9 83.9 8	82.6 86.5 8	2.6 86.5 8	3.2 87.1 8	3.2 87.1 89	1 83.2 87.1 89	1 83.2 87.1 89	1 83.2 87.1 8	1 83.2 87.1 8	1 83.2 87.1 89	2 2 2 27 1 8
	-	38.7 43.2 43	.7 43.2 4	38.7 43.2 4	38.7 43.2 4	.3 47.1 4	43.9 51.0	.9 51.0	45.2 54.8	.2 54.8	45.2 54.8	.2 54.8	45.2 54.8	.5 56.1	46.5 56.8 6	.1 58.1 6	49.7 62.6 67	.3 65.2	52.9 67.1	.2 68.4	54.2 68.4	1.69 8.	55.5 70.3	.5 70.3	55.5 70.3	.5 70.3	55.5 70.3	.5 70.3 76	55.5 70.3 76	.5 70.3 76	.5 70.3	20 20

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

NONTH

34.00

15 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٥	39.4	47.7	47.7	47.7	0.64	52.9	52.9	58.1		60.7	61.3		63.2	64.5		71.0	78.7	19.4	87.1	89.7	93.6	34.5	34.5	34.5	2.46	94.8	97.4	98.1	0.00	0.00	0.00
	× 1	39.4	47.7	47.7	47.7	0.65	52.9	52.9		0.09	60.7	61.3		63.2			71.0	78.7	19.4	87.1	39.7	93.6	34.5	2.46	94.2	94.2	8.46	4.16	1.86	10.00	10.00	00.00
	≥ 5/16	39.4	47.7	47.7	47.7	0.65		55.9	8		0	61.3		63.2			71.0	78.7	19.4	87.1	89.7	93.6	2.46	2.76		2.46	8.76		98.1	14.66		14.66
	N NI	39.4	47.7	47.7	41.7	0.64		85.8	8	0.09			61.3	63.2	64.5	66.5	1.0		19.4		6	93.6	*	2.46				8.96	4.16	98.1	98.1	98.1
	*	39.4	47.7	47.7	47.7		2	55.9	8	0.09	0	:		3	4		•	00	19.4	87.1		93.6	34.5	+		34.5	3	8.96	4.16	4.16		97.4
	% AI	39.4	4.7.4	47.7	47.7	0.64	55.9	52.9	00	0.09		61.3	61.3	3	64.5	66.5	71.0	78.7	19.4			93.6			2.46	2.46				. 9	8.96	•
(S)	- -	39.4	-	47.7	47.7	0.64		52.9		0.09	60.7	-	-	63.2	4.	•	-	78.7	4.67	87.1	2.68	93.6	2.46	+	4		*	8.96		8.96		
VISIBILITY (STATUTE MILES)	¥1 VI	39.4	-	47.7	47.7	0.64		52.9	03	0.09		61.3		63.2	64.5		•	78.7	19.4	87.1	1.68			93.6	3	93.6	*		95.5	95.5		95.5
BILITY (STA	V1 V2	39.4	47.7	47.7	47.7	0.64	55.9	52.9		0.09	•	61.3	-:	63.5	64.5	6.99	71.0			87.1	6			93.6	3	93.6	2.46	95.5		95.5	65.5	95.5
VISI	7 1	39.4	47.7	47.7	47.7	0.65	55.6	52.9	80	0.00	1.09	61.3		63.2				78.7	19.4	87.1	2.68	92.3	6.26	6.26	65.6	65.6	93.6	93.6	93.6	93.6	93.6	93.6
	Y 2 %	39.4	-	47.7	47.7	0.64	52.9		58.1	0.09	0	61.3		63.2	64.5	60.99		77.4	00	5		0	0	80.3		90.3		91.0	91.0	91.0	91.0	0.16
	6 1	39.4	47.7	47.7	47.7	0.64	\$2.9	52.9		0.09	2.09			63.2	64.5	9	70.3	-	78.1	85.5	87.7	1.68	6.06	90.3	6006	80.3	6.06	6.06	6.06	90.3	6.06	6.06
	4	39.4	47.7	47.7	47.7	0.64	52.9	52.9	58.1	0.09	60.7	61.3	61.3	63.2	6.89	65.8	0.69	76.1	76.1	83.2	84.5	85.8	86.8	86.5	86.5	86.5	86.8	86.5				86.5
	20	38.7	47.1	47.1	47.1	48.4	52.3		57.4	58.7	29.4	0.09	:	61.9		:	-	-	73.6		-	82.6	85.6	82.6		82.0	~	82.6	~	82.0	82.6	
	9 AI	38.1										58.1																		73.6		
	5	34.2	41.3	41.3	41.3	41.9	2.54	45.2	48.4	48.4	48.4	48.4	48.4	49.0	1.65	50.3	51.6	54.5	2.45	57.4	57.4	57.4	57.4	37.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
CEILING	(FEET)	NO CEILING	00001	909		12000		0006		> 7000		2000		4000		3000		7 2000		1500		001		800		009		V 400		700	8	٥

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

YEARS

JAN

-

HOURS (LST)

ERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
PERCEN	E)

	٥	3.9			2.6	1.6	9.1	7.4	7.4	0.09	2009	60.7	1000	6.10	9.70	5.90	1.69	6.2		18.7						3.6				18.7	4.6	0.00	0.0
	7	3.9 4		4 1.6	1.	9.7 4	1.6	1.4 5	7.4 5	90.09	60.7 6	. 7	60.7 6	1.9 6	2.6 6	6.5	1.6	2.9 7	8.1	8.7 7	3.9 8		6.1	1.6 9	3.6 9	3.6	5.5	6.1 9	7.4 9	8.7 9	6 4.6	0	00.00
	5/16	3.9 4	9.7 4	4. 1.6	9.7 4	9.7 4	1.6 5	7.4 5	7.4 5	0	0.7 6			1.9 6	2.6 6		9.7 6	2.9 7	8.1 7		3.9 8	7.1 8	9.7 8	1.6 9	3.6 9	3.6 9	5.5	6 1 9	6 4.	8.79	6 4.6	.41	014.6
	AI %	3.9 4	.7 4	.7 4	.7	4 1.	1.6 5	.4 5	7.4 5	09 00	.7 6		09 1.0	1.9 6	2.6 6	9	.7 6		.1 7	.7 7	3.98	. 1.		1.6 9	3.6 8	•	5.5	.1 9	4.	8.7 98	6 4.	5 5.	6 4.
	ΛI	4	7	7 4	4	4	9	4	4	9 0	7 60			9 6	9	5	1 6	6	1 7	7 78	es er	æ	7 8	6 9	6 9	6 9	50	1 9	4	2 9	4	4	66 4
	AI **	43.		65		64	51.	57.	57.	009	9	.09	60	61.	62.	99	69		78		83	87.	80	91.			95.	96	97.		66		66
	AI	43.9	49.7	49.7	49.7	49.7	51.6	57.4	57.4	60.0	60.7	1.09	60.7	61.9	62.6	66.5	69.7	72.9	78.1	78.7	83.9	87.1	89.7	91.6	93.6	93.6	95.5	1.96	4.16	98.7	4.66	4.66	4.66
(S)	Ā	43.9	49.7	49.7	49.7	49.7	51.6	57.4	57.4	0.09	60.7	2.09	60.7	6119	9.29		1.69	72.9		78.7	83.9		1.68	9116	93.6	93.6	6.56	96.1	4.16	7.86	4.66		4.66
VISIBILITY (STATUTE MILES)	VI 7/2	63.6	49.7	49.7	49.7	49.7	51.6	57.4	57.4	0.09	2.09	2.09	60.7	6.19	9.79		1.69	72.9	78.1	78.7	83.9	87.1	89.0	91.0	6.26	6.26	8. 76	95.5	1.96	4.16	1.86		98.1
BILITY (STA	71 7%	43.9		49.7	49.7	49.7	51.6	37.4	57.4	0.09	60.7	1.09	60.7	6.19	65.5	9		72.9	78.1	78.7	83.9	87.1	0.68	91.0	6.26	2.	94.8	62.5	96.1	4.16	1.86		98.1
VISI	7	43.9	46.7	1.67	49.7	1.65	51.6	57.4	57.4	0.09	-	. 3	. 7	6.19	62.6	66.5		72.9	78.1	78.7	83.2	86.5	88.4	89.7	0.16	0.16	6.26	93.6	2.46	8.76	8.46	8-46	8.46
	× 2%	6.64	46.1	49.7	46.7	46.1	51.6	57.4	57.4	0.00		1.09	60.7	6.10	62.6	9	1.69	72.9	78.1	20	61.6	85.2	87.1	87.7	88.4	0	80.3	6.06	80.0	8006	90.3		90.3
	E AI	43.9		49.7	1.64	1.65	51.6	57.4	87.4	0.09	60.7	1.09	60.7	6.19	9.29	66.5		72.9	78.1	78.7	81.3	34.5	86.5	87.1	87.7	87.7	89.0	0.68	0.68	0.68	89.0		0.68
	4	43.9		1.64	49.7	49.7	51.6	57.4	57.4	0.09	2.09	60.7	1.09	61.9	65.6		1.69	72.9	78.1	78.7	81.3	83.9	85.8	86.5	87.1	87.1	87.7	87.7	1.18	87.7	87.7		87.7
	\$	43.9	48.7	49.7	49.7	1.65	51.6	56.8		29.4	0.09		0.09			65.8	68.4		76.8		79.4	81.3	33.2		83.9	83.9		84.5	84.5				84.5
	9 AI	2.	8.4	4 . 8	8.4	4	~	N	N	-	-	-	7	57.4	-	0	N	8	0	m	0	0	00	5	50	S	5.3	5.5	5	3.5	5.5	·	5.5
	2						.3	00	œ	7	7.	. 1	7	4.	4	m	.3	3	00	Š	in	'n	00	8.	8	8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
CEILING	(1861)	NO CEILING	N 20000		16000		12000		000		7000		> 200c		4000		3000	1	7 2000	1800	7 1500		1000		008		00		V 400		700	8	٥

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

0018

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

73-77

PATACHMENT, ASHEVILLE, NC

3410

NAD PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		-	21	10	10	_	_		.0	_		-	_	-		200	_	-	01	10	0	9	10	-	_	-	-		m	_	0	_	_
	٨١	40.	45.6	46.	46.5	47.	47.	51.6	51.6	56.1	57.4	57.4	58.	58.	59.4	61.	67.7	69.	74.2	75.5		5.	86.5	89.7	39.	92.3	94.2	96.1	96.6	98.7	00.	000	001
	λl	0		40.5	46.5	47.1	47.1	51.6	9.19		57.4		58.7	58.7	59.4	61.3			4	75.5	0	2.		6	89.7	92.3	34.5	. 9	96.8	7.86	0.00		00.00
	5/16	40.7	45.2	46.5	46.5	7.1	1.1	51.6	9.10	1.99	57.4	7.4	8.1	8.7	4.6	1.3		1.	4.2	5.5	0.00				6.1	2.3	94.2	1.96	90.8	7.86	0.0	10.0	00.00
	۸۱ ۶ ۸۱	1.0	.2	0.5	6.5	47.1 4	47.1 4	1.6	1.6	1.9	7.4	4.1	8.7	58.7		61.3	7.7	. 1	4.2		0.0	2.6	6.5		6.1	2.3	4.2	96.1	9	. 1	0.0	0.0	0.0
	*	1.0	2.5	6.5	6.5 4	7.1 4	7.1 4	1.6	1.6 5	6.1	7.4 5	7.4	8.7	8.7	4.6	1.3	7.7	2.6	4.2	5.5	0.0	5.6	6.5	2.6	2.6	2.3 9	4.2	6.1	8.9	8.7	0.0	0.0	
	% Al	1.0	5.2	0	6.5 4	7.1 4	7.1 4	1.6		6.1	7.4	4.1		8.7	9.4 5	1.36	7.	1.6	4.2 7	5.5	0.0	9.	٥.	1.	9.7 8	2.3	4.2	1.9	6.8	8.7	0	0.0	0.000
	-	1.0	5.2 4	6.5	6.5 4	7.1 4	7.1 4	1.6 5	1.6 5	6.1 5	7.4 5	7.4 5	8.7 5	8.7 5	9.4	-	7.7 6	9.7 6	4.2 7	5.5	0.0		5.8	8 0.6	9.0 8	1.6 9	3.6 9	.5	6.19	8.1 9	0.410	-	014.6
VISIBILITY (STATUTE MILES)	71:	4 1.0	5.2 4	6.5 4	6.5 4	7.1 4	7.1 4	1.6 5	1.6 5	6.1 5	7.4 5	7.4 5	8.7 5	8.7 5	4.	.3	7.7 6	9.1 6	~		0.0	2.6 8	5.8 8	8 0.8	8 0.6	1.6 9	5.9 9	3.6 9	3.6 9	_	.2	4.2 9	•
r (STATU	٧١	3	3	.5 4	.5	. 1 4	.1.	0.	.6 5	.1 5	.4	. 4 5	5	. 7 5	.4.	.3 6	9	.7 6	~	. 5	œ		00		.0	0		6		0	6 2.	.2	.2 9
IBILIT	AI .	40	45	40	40	47	47	51	51	36	57	57	58	30	59	01	67	69	7	75	80	82	85	8	89	16	92	63	66			40	46
VIS	7 Al	•	50	46.5	46.5	47.1	47.1	51.6	51.6	56.1	57.4	57.4	58.7	58.7	59.4	61.3	67.1		73.6	74.8	79.4	81.9	85.2	88.4	88.4	89.7	91.0	91.0	91.0	91.0		91.0	91.0
	2 2%	0	45.2	40.5	46.5	47.1	47.1	51.6	51.6	56.1	57.4	57.4	58.7	58.7	29.4		67.1	0.69	5	14.2	00	81.3	84.5	87.7	87.7	0.68	89.7	68	1.68			63	1.69
	e Al		45.2	46.5	46.5	47.1	47.1	9119	51.6	56.1	57.4	57.4	58.7	58.7	59.4	61.3	67.1	0.69	12.9	74.2	78.7	81.3	84.5	87.7	87.7	0.68	2.68	1.68	89.7			89.7	89.7
	۸I	0	45.2	46.5	46.5	47.1	47.1	51.6	51.6	56.1	57.4	57.4	58.7	58.7	20.4	61.3	67.1	0.69	~	74.2	ď	81.3	84.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	۷9 ۸۱	40.1	5	46.5	9	47.1	47.1	51.6	51.6	9	57.4	57.4	58.7	58.7	29.4	61.3	67.1	•	N	72.9	77.4	80.0	82.6	84.5	. 4	4	84.5		84.5	84.5	4	34.5	*
	4		543	*		10	5	6	0	4	5	5	0		-	0	65.2	5	6	5	*		9	60	00	00		8	00		00	00	00
	9	32.9	0	00	00	00	33	3	43.5	7	4.8	8	30	3		00	52.9		*	S	*	007	8	00	58.1	8	58.1	58.1	58.1	58.1	58.1		58.1
BUING			20000	9000	16000	14000	12000	10000	9000	8000	7000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1500	1200	1000	8	008	700	009	200	400	300	200	8	•
0		9	Al	Al	AI	Al	AL	Al	ΑI	Al	AI	Al	AI	٨١	۱۸۱	٨١	M	٨١	۸۱	Al	۸۱	٨١	۸۱	Al	۸۱	٨١	٨١	٨١	۸۱	٨١	AI	Al	^1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

100

NA P

ALL HOURS (1 S T)		٨١	9.04 9	6 45.6	6 45	7 45.7	3 47.3			20	_	m	2 3	4	3 60.3	8 61.8	1 6	5	8 74.8	2 7	7 81.7	8	7 8		5 92.5	8 93.8	5 94.5	7 95.7	6.96 6	3 98.3	4	8	0.0013
М		ΛI 9	0 4 9	5 45	4	7 45.	3 47.	8 51.	5		1 57.		2 58.	4	3 60.	8 61.	-	0	7	2 76.			7 88.		5 92.	8 93	5 94		96 6		3 99.	9	6 99.
		≥ 5/16		6 45	. 4	7 45.	3 47.	8 51.	5	250	1 57.	S	2		3 60.	8 61.	9 1	\$ 69.	8 74.	2 76.	7 81.		-			8 93.	5 94.	-	9 6		0	2	5 39
		VI %	9 40	2 4	9	7 45.		80 0	0	.8 33	.1 57.	20	2	+	2	ac	1 6	2 6	8	2	1	00	8	6 0	4 92.	-	4	6	8	0	6	6	. 44.
		۸I		6 45	45	1 45.	3 47.	51.	8	0	-			4 59.	€ 00.	8 61.	7 6	20	æ	~	1	00	9		4 92.	1 93.	. 76 5	-	8 96.		.86 9	6	98.
W		۸I		6 45	4	7 45.	3 47.	5	2	35.	1 57.		2 58.		3 60.	8 61.	1 66.	•	8 74.	2 76.	7 81.	8 84.	5 88.		3 92.	6 93.	3 94.	4 95.	96 9	6	9 98.	0	98.
JRREN 4S)	(ILES)	ŽĮ.	40	6 4 3	4 5	7 45.	3 47.	51.	51.	55.	1 57.	K	2 58.	59.	3 60.	8 61.		6	8 74.	2 76.		8 84.	2 88.		8 92.	0 93.	. 56 9	6 95.	2 96.			00	. 86 6
NCY OF OCCUR	VISIBILITY (STATUTE MILES)	VI 71	0	6 4 50	53	45.	3 47.	51.	51.	55.	57.	57.	•	59.	3 60.	8 61.6	1 66.	69	74.	2 76.	5 81.	84.	9 88.	.06		63.	. 63.	. 76		. 66	1 95.	5	1 95.
CY OF	ISIBILITY (۲۱ ۲۱	40.	45	3	45.	\$ 47.	-	-	0	57.		*		.09	6 61.	.99	2 69	-	9 76.	:			•		, 92.	3 93.		*		. 66 /	6	1 95.
QUENC RLY O	>	7	4	43.	4	45.6	1 47.3	51.	51.	. 55	30	5	58.	2 59.	60.	61.	5 65.8	.69	5 74.4	75.	81.	84.	87.	89.	90.6	0	1 92.3	63	63.	-	. 66 4	63.	93.
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)		≥ 2%	4	45.0	4	45.0			0	30	56.9	57	58.0	59.6	1 60.	61.	65.	000	73.	_	79.			87.	83	68		.06	1 90.2	.06	0	.06	70.4
(FROM		۸I	40.	47.4	45.	45.	47.2	31.	51.	5	.99	56.9	57.	28.0	59.	61.2	65.0	68.	72.9	74.4	78.	61.	84.7		87.3	88.2	88.6	35 35	88.8	88.	88.	.88	6.83
PERCE		٨١	4	4 4	4	45.	46.9	51.	5		-	5	57.3	5	59.4	9.09	64.4	67.	71.9	73.	177.3	-	82.6	84.1	84.6	85.2	85.2	65.3	85.3	00		85.	85.3
		NI NI	39.0	-	44	44.	-	50.	-	54.	-	55.	-	57.		-	-	.99	-	71.	-	77.		-	-		-	-	-	-		80	-
		٨١	38.7	4	n en	43.	44.	48.	*	51.	52.		53.	54.	55.	56.	•09	63.	.99	.10	70.	71.	73.	73.	74.	74.		14.	74.	74.	74.		14.
		N N	32.3							43.0	m	43.6		44.9	45.2	45.7	47.7	49.5	51	51.6	53.	53.5	53.8	23.9	54.0	54.0	54.0	54.0	54.0	34.0	54.0	24.0	24.0
	CEILING	(1951)	NO CEILING	00007	00091		≥ 12000	2 10000		N 8000		0009 ~	> 2000	> 4500	× 4000		3000		7 2000	1	1500		VI 000		8 ^I		8		14		14	VI 85	

TOTAL NUMBER OF OBSERVATIONS

1240

*

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

00 HOURS (1 S T) FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$3						
(FEET)	2	۰ ۸۱	۸۱ د	4	e Al	2 2%	7 1	V1 7/2	¥1 Y	Ā	* 11	*	Z AI	≥ 5/16	NI N	0 11
NO CEILING	32	(2)	39.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 20000	1		43.3	0.44	44.0	0.44	44.0	44.0	44.0	44.0	44.0	44.0	0.44	0.44	0.44	44.0
	.0	2.	43.3	0.44	44.0	44.0	0.44	0.44	0.44	44.0	44.0	0.44	0.44	0.44	0.44	44.0
≥ 16000	0	è	43.3	44.0	44.0	0.44	0.55	0.44	0.44	44.0	44.0	0.44	*	44.0	0.44	0.44
	36.2		43.3	0.44	44.0	0.44	44.0	0.44	44.0	0.44	44.0	0.44	*	44.0	0.44	0.44
7 12000	0		47.5	48.2		48.2	48.2	48.2	8	48.2	48.2	48.2		48.2	48.2	48.2
	9.24	49.7	50.4	51.1	51.1	51.1	51.1	51.1	-	51.1	51.1			51.1	51.1	51.1
000 AI	2		50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1			51.1	51.1	51.1
	5		54.6	55.3	55.3	55.3	55.3		3	58.3	55.3	55.3	5	55.3	55.3	55.3
7000	2		55.3	56.0	56.0	56.0	56.0	26.0	56.0	56.0	20.0			26.0	56.0	26.0
	9		9	56.7	26.7	56.7	56.7	56.7	0	56.7	•	56.7	0	56.7		56.7
2000	-		58.9	9.69	9.69	9.66	39.6		59.6	39.6	29.6			29.6	59.6	
			9.69	60.3	60.3	6.09	60.3	60.3	60.3	6003	60.3	6009	0	6003	60.3	
4000	0		60.3	61.0	61.0	61.0	0110	0.19	-	61.0	•	61.0	61.0	61.0	61.0	61.0
	0		62.4	63.1	63.1	63.1	63.1	63.1	3	63.1		63.1		63.1	63.1	63.1
3000	-		1.99	67.4	68.1	1.89	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
1	100		70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	11.6		71.6	71.6	71.6
7 2000	9		78.7	4.64	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1		80.1	80.1
1800	57.5					81.6	31.6	81.6	-	81.6	81.6	81.6		•	81.6	81.6
1500	30		83.7	84.4		85.8	85.8	85.8	85.8	85.8	86.5		0	86.5	86.5	86.5
	8		84.4	85.1	66.5	86.5		86.5				67.2	87.2	87.2	87.2	87.2
V 1000	8		86.5	87.9	8.06	8.06	8.06		8006	•	61.5	91.5		91.5	61.5	91.5
	00		86.5	87.9	•	•	8.06	B.06	8.06	8.06	91.5	91.5	-:	91.5	91.5	91.5
88	00		86.5	87.9	8.06	92.2	93.6	93.6	93.6	93.6	6.46	84.3	6. 56	84.3	84.3	6.96
	00		87.2	4.68	92.2	93.6	1.56	45.7	95.7	42.7	6.96		96.5	96.5	6.96	6.96
00 AI	0		87.2	89.4	•	93.6	7.56	45.7	95.7	45.7		6.96	96.5	96.5	60.9	96.5
	80		87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	0	9	•	96.5
VI 400	30		87.2	9.68	92.2	93.6	97.2	97.2	97.2	3.16	-	6.16		97.9	6.16	97.9
	33		87.2	4.68	92.2	93.6	3.16	97.2	97.2	7.	9800	98.6	98.6	98.6	98.6	98.6
700	8		87.2	89.4	95.2	93.6	3.16	3.16	97.2	61.6	66.3	100.00	•	00.00	00.00	0000
	82		87.2	89.4	95.2	93.6	2.16	97.2	31.5	61.6		100001	00.00	10000	00.00	0.00
٨١	8		87.2	89.4	92.2	93.6	2.16	97.2	97.2	6.16	99.3	100.00	00.00	100001	00.00	

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINOIS

03 HOURS (1 S T)

200

FEB.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	2	٨١	8 1	4	en Al	1 2 %	2 41	VI 2%	VI 2.	~ Al	% AI	*	X N	≥ 5/16	VI 74	٨١
NO CEILING	5		40.4	45.6	45.6	45.6	45.6	45.6	45.0	45.6	45.6	45.6	43.3	43.3	43.3	43.3
≥ 20000	.0		45.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4	42.4	42.4
7 18000	0			44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.	44.7	45.4	45.4	45.4	45.4
1,000	30.5	-		44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4	42.4	45.4
	0		45.6	44.7	44.7	44.1	44.7	44.7	44.7	44.7	44.	44.1	45.4	45.4	42.4	45.4
≥ 12000		45.6	43.3	4.54	42.4	43.4	45.4	45.4	45.4	42.4	45.4	42.4	46.1	1.95	1.95	1.04
P	40.4	47.5	48.2	\$0.4	50.4	\$0.4	50.4	50.4	50.4	50.4	50.4			51.1	51.1	51.1
000	4.04	47.5	48.2	50.4	50.4	50.4	50.4	20.4	50.4	50.4	50.4		51.1	51.1	51.1	51.1
	-		51.1	53.2	53.2	3	53.2	53.5		53.2		53.5	53.9	53.9	53.9	53.9
1 1 1	41.8		51.1	53.5	53.5		53.5	53.5		53.2	53.5	53.5		3	53.9	53.9
)	45.6		51.8	53.9	53.9	53.9		53.9	•	53.9	53.9		3	24.6	94.6	54.6
2000	44.7		54.0	56.7	56.7	56.7	56.7	56.7	56.7	•	56.7	56.7	57.5	57.5	57.5	57.5
	44.7		2	57.5	57.5	57.5		57.5		-	51.5	51.5	58.2			58.5
400				0	61.0	61.0	61.0	-		-	-	-	61.7	61.7	61.7	61.7
1	.0		0.19	63.1	63.8	8.69	63.8	63.8	63.8	63.8	63.8	63.8	64.5	64.5	54.5	64.5
3000	100	61.7		65.3	1.99		66.7	9		9		1.99	4.19	67.4	4.19	67.4
1	0			72.3	73.8		73.8	73.8	**	73.8	3	13.8	74.5	4	74.5	74.5
7 2000	-		71.6	74.5	77.3	77.3	77.3	77.3	77.3		77.3	77.3		8	78.0	78.0
	2.		73.8	16.6	4.66	5.61	19.4	19.4	4.61				80.1			80.1
1500	53.2	73.1	76.6	19.4	82.3	2	82.3	85.3			82.3			m	3	83.0
				81.6	;	4	85.1	85.1	85.1	5		85.1	85.8	2		82.8
001				81.6	85.8	85.8		36.5	86.5		86.5	86.5		87.2	87.2	87.2
	3		19.4	83.0	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	88.7	8	88.7	88.7
008 AI	0		80.9	84.4	89.4	89.4	90.1	8.06	8.06	8.06		8.06	91.5	91.5	91.5	91.5
	500		80.9		90.1	0	92.2	65.6	65.6	6.26	6.26	65.6		93.6	93.6	93.6
90			91.6	86.5	61.5	61.5	93.6	6.46	64.3	64.3	6.46	6.46	95.0	95.0	0.56	0.56
	3		82.3	87.2	35.5	92.2	64.3	0.56	95.0	5	5	0.56			65.7	95.7
9	3		83.0	87.9	6.76	~	95.7	96.5	96.5	•	96.5	6.96	3.16		2.16	97.2
			63.0	87.9	65.6	2	6.5		97.2	-	•		66.3	6	66.3	66.3
30		78.0	83.0	87.9	6.76	85.9	96.5	97.2		•	6.16	-	66.3		99.3	66.3
	3	•	83.0	87.9	6.76	2	96.5	97.2	-	-	-	:			66.3	99.3
O IAI	53.2	78.0		87.9	6.26	92.9	96.5	97.2	97.2	6.16	6.16	6.16	66.3	66.3	99.31	0000

TOTAL NUMBER OF OBSERVATIONS

141

53.9 54.6

53.9

48.9

54.6

200

FEB

CEILING VERSUS VISIBILITY

58.9

58.8 60.3

55.3

60.3 61.0 78.0

78.0

81.6

81.6

85.1

85.1

90.1 8.06 91.5

90.1 8.06

75.9

75.9

69.5

69.8 40.0

000

0.99

61.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855

06 HOURS (1 S T)

٨١

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

0.99 78.0 54.6 55.3 69.8 81.6 90.1 53.9 10.9 75.9 35.1 91.5 48.9 58.9 61.0 8.06 46.8 6003 53.9 53.9 60.3 0.19 69.5 90.1 91.5 0.99 0.99 24.6 75.9 75.9 55.3 55.3 81.6 46.8 48.9 58.9 70.9 78.0 8.06 85.1 ۸۱ 54.6 58.9 69.5 85.1 46.8 78.0 81.6 70.9 48.9 60.3 61.0 90.1 91.5 90.8 * 85.1 53.9 24.6 78.0 90.1 58.9 58.9 0.99 0.99 0.99 91.5 61.0 69.5 69.5 69.5 69.5 70.9 75.9 75.9 75.9 75.9 81.6 60.3 60.3 60.3 8.06 8.06 53.9 53.9 58.8 61.0 61.0 70.9 85.1 78.0 78.0 54.6 54.6 54.6 54.6 81.6 91.5 90.1 90.1 ۸۱ 55.3 55.3 81.6 85.1 70.9 8.06 60.3 78.0 53.9 53.9 81.6 0.99 61.0 3.06 6.84 40.6 85.1 90.1 91.5 46.8 78.0 6.09 81.6 55.3 75.9 6.84 4.07 90.8 91.5 61.0 0.99 90.1 46.1 48.9 58.9 69.5 45.4 46.8 85.1 83.7 68.8 9.65 48.2 54.6 58.2 65.3 87.2 60.3 17.3 46.1 53.2 0.2 80.9 48.2 75.2 9.45 58.5 65.3 77.3 42.4 48.2 48.2 9.69 60.3 70.2 75.2 87.9 68.8 80.9 83.7 53.2 53.9 87.2 68.7 46.1 ص ۱۸ 79.4 85.1 82.3 58.9 9.65 73.8 0.44 47.5 64.5 60.09 86.5 44.0 50.4 52.5 57.5 75.9 64.5 68.1 53.2 45.4 55.3 0.99 45.4 75.9 41.8 41.8 72.3 57.5 6.08 6.08 51.8 61.7 78.7 41.8 51.1 80.1 ۸۱ 54.6 58.9 55.3 74.5 0.44 39.7 48.9 53.5 0.99 70.9 0.55 61.7 63.1 68.1 74.5 4.04 73.1 73.8 61.1 4

39.7

800 7000

36.9

36.9

000 000 000

AI AI

35.5

(FEET)

35.5 35.5 36.5

VI VI 18000 1 VI 18000

¥ 20000

Y 14000

43.3

4500

45.6

2000

40.4

6.84

1.65

1800

47.5

2000

1.64

900

1.65

46.8

42.4 43.3

45.4

3000

AI AI

TOTAL NUMBER OF OBSERVATIONS

141

4400

96.5

96.5

95.9 6.76

6.26

6.26

6.26

6.26

92.9

2.26

92.2

61.5

88.7

36.5

6.09

74.5

1.65 1.65

88

1.64

88.7

86.5

80.9

74.5

49.7

88

80.9 86.5 81.6 87.2

49.7

49.7

500

AI AI

81.6

81.6

81.6

49.7 49.7

80

49.7

88

91.5

65.6

65.6

92.9

92.9

92.9

92.9

92.2

8.46

93.6

6.46

94.3 94.3

91.5

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

FEB

0.9 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9 4	٨١	\$ 1	AI AI	ε Al	12%	VISI VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S) VI	× Al	*	Z AI	2 5/16	AI	٨١
	10		-				-							-	
41.				44.7	. 9	47.5		80	48.2	•	•	8			48.2
41.	-	42.6			. 9		48.2	co c	0		48.5		00 0	00	48.2
4	-			+	0	•		0	00	9	•	0	9	0	40.5
4		43.3		42.4		48.2		6.84	œ	8		8		00	48.9
50	.3		45.4	8.95	48.5	•	0	20.4	ċ	•	20.4	0	•	0	20.4
43	3.	47.5		49.1		52.5		53.5	53.5	3.		m		3	53.5
46			48.9	\$0.4	51.8	53.5	53.9	3.	53.9		6				53.9
50	4.		53.2	24.6	56.7	58.5	58.9	58.9	58.9	•		58.9	58.9	58.9	58.9
52		54.6	55.3	57.5	29.6	0.10	61.7	-	61.7	-	61.7	-	61.7	61.7	61.7
52			55.3	51.5	9.65	0.10	61.7	61.7	61.7	61.7	-	61.7		61.7	61.7
53	6.	56.0			01.0	4.29	63.1	63.1	63.1	63.1	63.1		63.1	63.1	63.1
53	0.		56.7	58.9	61.0					3.		63.1		3	
3	4.6	56.7		9.69	61.7	63.1	•	63.8	63.8		63.8	63.8	63.8	63.8	63.8
5	0.0		28.0	0.10	03.1	64.5	65.3	2	65.3	65.3		65.3	65.3	65.3	65.3
57	.3		60.3	62.4	64.5	0.99		66.7	1.99	9			66.7	66.7	1.99
9	4.	65.3	0.99	00	10.2	-	72.3	2	72.3	2.	72.3			72.3	72.3
ò			68.8	40.0	73.8	75.9	77.3	77.3	78.0	78.0	•	78.0	78.0		78.0
0	.3	68.8	70.2		75.2			3	19.4	6	6		79.4	6	19.4
3	2.1		73.1	75.2		81.6		83.7	84.4	84.4	*		84.4		84.4
0	1.4			78.0	-	84.4	86.5	86.5	87.9	-		•	87.9	-	87.9
õ	8.1	73.1	77.3	80.9	84.4	87.2	4.68		91.5	:	91.5	51.5	91.5	91.5	91.5
ō	68.1		77.3	80.9	4	87.2	4.68	89.4	91.5	-	-			=	91.5
99	9.1		78.0	82.3	6.	4.68			3.	3	93.6			93.6	93.6
9	3.1	73.8	0.87	83.0	87.2	90.1	92.2	92.2	64.3	64.3	64.3	6.3	6.96	94.3	94.3
0	8.1		78.0	83.0	87.2	8.06	•	2		0.56			95.7	3	95.7
0	8.1	73.8	78.0	83.0	87.2	8.06	95.9	6.26		45.7	48.7	95.7	96.5	9	96.5
9	8.1		78.0	83.0	87.2		95.9	6.26	95.0	'n	45.7	95.7	96.5	;	96.5
0	8.1		78.0	83.0		9.06	95.9		95.0		9	0	97.2	97.2	97.2
			78.0	83.0	87.2	9.06	6.26	6.26	1.56	-	6.16		98.6	98.6	98.6
0		73.8	78.0	83.0	87.2		6.26		48.7	-	1.	9.86	66.3		66.3
	1.		78.0	83.0	87.2	8.06	65.6	6.26	48.7	2.16	6.16		66.3	99.31	00.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINUIS

73-77

FEB

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ERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
PERCENTAC	(FRO/

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES	(S)						
(FEET)	51 71	٨١	\$1	4	K AI	2 2%	1 2	V 1%	¥1	, ,	% Al	*	% Al	≥ 5/16	VI Z	٨١
NO CEILING	6	5	35.5	36.9	36.9	36.9	5.98	36.9	36.9	36.9	36.9	0	200	36.9	.0	36.9
Y 20000				0.44	1.44	44.7	44.7	44.7	1.44	44.7	4			44.7	44.7	44.7
	. 4	2	•	0.44	44.7	44.7	44.7	44.7	44.7	44.7	44.		44.7		44.7	44.7
N 16000	34.8	45.6	45.6	0.95	44.7	44.7	44.7	1.44	44.7	44.7	44.7	44.7		44.7	44.7	44.7
	;			0.44	44.7	4	44.7	44.7	44.7	44.7		44.7	44.7	44.7	44.7	44.1
2 12000			44.7	46.1	46.8	46.8	8.95	40.8	8.95	46.8	46.8	46.8	•	46.8		46.8
	6			52.5	53.2	53.2	6	53.8		3		3	53.2		6	
0006			51.8				53.9		53.9	•						53.9
			56.7	58.2	58.9	58.9	58.9	58.9	58.9	58.9					8	58.9
7000	43.3		57.5	58.9	9.69	9.69	39.69	6	6	6	59.6	9.69	29.6		59.6	59.6
			58.5	0	60.3	6.3			60.3				0	0		60.3
> 2000			29.6	61.0	61.7		2.19	61.7	-	1.19	-	-	:	-	-	61.7
				-	•	1.7	1.						-	61.7		61.7
4000			39.6	61.0	61.7		61.7	61.7	61.7	61.7	61.7	61.7	-	61.7	-	61.7
			•	61.7	•	5.4	2.	2	2	2	•		2.		62.4	2.
3000			63.8		4.19	4.19	4.19	1	67.4	67.4	7	-	4.10			-
1			58.1	70.2		-	-	71.6	-		•	-	71.6	-	-	
2 2000			•	3	75.5	75.2	75.2	5	•	3	3	2	5	75.2		
			71.6	74.5		5.9		15.9	15.9			18.9	3	5	15.9	5
≥ 1500			•	0	83.7	3.7	83.7				;	;				
-	-		19.4			5.			83.7	8	8	00	8	88.7	8	88.7
V 1000				85.8	88.7	0.1		2	2	92.2	3.26	5.	92.2	2.		
00 AI	*			85.8	88.7		8.06	2		2.	2.	2.	2.		2.	
			80.9	85.8	89.4	0.8	-	2	2	2	3	3	6.46			6.46
				86.5	90.1	•	6.76	6.46	4	64.3	0.56	95.0		95.7	3	95.7
009			81.6	6		5	93.6	3			S	3			;	
	3			86.5	90.1	•			5	48.7	9	0			7	97.2
V 400			82.3	87.2	8.06	2	*	5		97.2	-	-	9.86	98.6	8	98.6
			•	87.2		65.6	6.46	45.7	6	97.2	-	6.26	98.6	98.6	98.6	98.6
> 200			82.3	87.2	8.06	2.	•	•		97.2	1.	-			66.66	6.66
8	53.2	76.6		87.2	8.06	6.26	*	42.4	96.5		6.76	61.6	66.3	66.3	0	0.00
٨١	3	•	•		8.06	2	94.3		0	97.2	7	-	6		99.31	0.00

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

0 0 0

CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73-77

15 FEB.

100

RCENTAGE FREQUENCY OF OCCURRENCE	FROM HOURLY OBSERVATIONS)
PERCENTAGE FRE	(FROM HO

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(\$:						
(FEET)	5 71	۰ ۸۱	8 41	4	£ 1	≥ 2%	1 2	VI %1	VI %	- AI	% 1	*	Z AI	2 5/16	AI N	٨١
NO CEILING				-	-		1:	-	-	-	-			-	-	41.8
≥ 20000	300			48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	8	48.2	48.2	48.2	48.2
				œ	•	48.2	8	8	48.2	8	48.2		3	8	8	48.2
≥ 16000						00			•	48.2			8	48.2	8	48.2
				6	6	0	6	0	6	0		6	6	6	6	
12000				-	•	•		-:	-	-	51.8	-		-	-	-
				3		3					m		3.		3	3.
0006 AI				173	3.	53.9	53.9	3	53.9	53.9			10	3	53.9	
	44.7					9			6.	9	9	9	0		9	0
2 7000	45.4				57.5	57.5	57.5	57.5	57.5	57.5			-	57.5		
				7.		1		-		7	-		-			-
2000				8	8	00	00	8	00	00	8			8	8	8
				50		0	0	0		0	0	0	0	.0	0	0
4000	46.1			-		2	52.4	2	62.4		2	2.	2.	•	2.	3
				10			*		4.	4	4.		4.	4	4	3
3000					4.19	00	68.1	•		8.89			00	68.8	*	
				0	0	-	-	2	2	2	2.	2,	2.	2	2.	2.
7 2000				5		90	78.7	•	6	6	6		6	6	6	6
1	55.3	74.5	75.9	77.3	78.7	80.1	80.1	6.08	6.08		80.9	80.9	80.9		80.9	80.9
> 1500				2.		5		9	9	.9	:		. 0	86.5		86.5
				*	3	-		8	6	6	6	6	5	6	6	0
1000			83.7	85.1	7	8	88.7	•	8.06	0	0	ċ	0	0	0	
				5		90.1	0	4	2.	2.	2	à	3	2.	2.	92.2
008 AI				100	1.	0	90.9	2.	3.			-	3	3	3	93.6
				.9	88.7		:		3	*	3	*	6.46	6.46	*	94.3
009					4.68	2	3		\$	5	3	5	2	95.7	3	95.7
					4.68	2		2			-	-	1	-	-	97.2
V 400			84.4			2.	N	5		6.16	7	-	6.16	7.	61.6	97.9
2 300				87.2			2.	3		7	-	-	-	-	-	6.16
					4.68	5	2		Š		6	6	0	0.001	100001	0.00
81			84.4	87.2	6	92.2	65.6	0.56	45.7		6	16.66	00.00	0000	100001	0.00
٥			•		89.4	2	2	5	3	8	6	6	0	0.00	100001	0.00

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

JAN 78 5703 CEILING VERSUS VISIBILITY

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

73-77

18 HOURS (LST.) HONTH B

220

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	0 1	۰ ۸۱	8	AI AI	٨١	> 2%	7	VI %1	71 71	Ā	% Al	₽	Z Al	≥ 5/16	N N	٥
NO CEILING	35		5	5	5	S		3.	3	5	5	5	5	3.4	5	
× 20000	30		2		2	~	2.	2	2	2	2	3	2	2.5	3	
	39.7	52.5	2	2	2.	2	2.	52.5	3	2	2	2.	2.	2.5	2.	52.5
00091 ₹			2		3	N	2	2	~	2	2	3	2.	2.5	3	
			3		3.	3		5	3		3	3.	3	3.2	3	
> 12000	44.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	51.5	57.5	57.5
-			-		-	-		-	-	-	-	-	-	1.0	-	
> 2000			1.	-		-		•	7	•	-	-	1.	1.0	-	
	8.94		-	-	-		-1		-	-	-1	-	-	1.7	-	
7000		61.0	2	62.4	2.	2	2		3	•	2.	?	2	2.4	5	
	8.95		3	2	2		2.	2	2.	3.	2.	2	2.	5.4	2	
2000		62.4	;	4	. 4	4	*		*	•		4	4	4.5	*	64.5
	*		5	3	3	5	5		3	3	S	3		5.3	5	65.3
1 4000	48.9		9	.9		9	9		.0	9	.9	9	.0	2.9	.0	1.99
> 3500			8	ec	00	00	*	0	6	6	6	6	6	9.5	6	0
3000				ò	-	~	2.	3	3.	•	3	3		3.1	3	3.
	-		5		5	.0	.9	7.	7.	7.	7.	1.	1.	7.3	-	7
> 2000		73.8	0	7	79.4	•	.0	81.6	•		-	-	-	1.6	-	81.6
	2		8	æ	1.	60	3.	3.	3	3	3	3		3.7	3	3
> 1500	0		8	ċ	10	*	. +	5	3	ŝ	i	3	2	5.8	3	3
	2		6	0	3	2	5		6.	9	.9	9	. 9	6.5	.0	. 9
> 1000	-	78.7	3.		8	0	•	-	-	-	-	-	-	1.5	-	-
8	6		3	3	6	0	0	2	2	~	ż	3	3	2.2	3	3
	*	80.1	. 4	6	0	-	-	2	2		4		*	4.3	*	*
			*		0	N	2		*	5	3	5	2	2.1	3	2
00 AI	**			;	0	2	2.	*	3		1.		-	7.2	-	97.2
200			. 4		0	2	2.	•		7		8		3.6		98.6
		80.1	*		0	·			0	*	6	6	6	9.3	6	99.3
38	*		. 4	-	0	2	3		•		6	6	6	6.3		66.66
1 200	53.9	80.1	4	87.2	8006	2	93.6	2	0		5	6	6		6	99.3
8	*	80.1	4		0	•		45.7			6	6.66		6.3	6	0000
٨١	-	80,1	*	-	0	2	3.		0	8	0	6	6	9.3	6	0.00

TOTAL NUMBER OF OBSERVATIONS

141

3100

SMOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855

GLENVIEW, ILLIMOIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEB 21

HOURS (LST)

CEILING 37.0 41.1 41.6 41.6 41.6 41.6 41.6 41.6 41.8	CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
CRIMING 37.6 91.1 44.8 94.1 41.8 94.1 6 41.6 94.2 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8	(FEET)		1		1		1	2220		1		1		200	'n	1	
3000 41.1 46.1 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8	NO CEILING	24			-	1.	-		-	-	-	-	-	-	-	-	41.8
10000 41.1 46.1 46.8	× 20000	4.1					.0	.9							•	;	40
10000 41.1 46.1 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8 47.5		-	46.1		0		9	9		9	. 9	0	•	9		9	1
10,000 41.6 46.8 47.5		-	46.1			.9		9						. 9		9	
10000 44,7 49,7 50,4 50,4 50,4 50,4 50,4 50,4 50,4 50,4		41.8	46.8			47.5		-	•	-				-			47.5
10000 45.4 50.4 51.1		44.7	49.7		0	•	0	•		0	0	0	0	0	-	0	
8000 45.4 51.4 51.1 51.2 58.3 55.3 <th< td=""><td> -</td><td>42.4</td><td>50.4</td><td>51.</td><td>51.1</td><td>51.1</td><td></td><td>-</td><td>51.1</td><td>1.</td><td>51.1</td><td>-</td><td></td><td>-</td><td>51.1</td><td>-</td><td>51.1</td></th<>	-	42.4	50.4	51.	51.1	51.1		-	51.1	1.	51.1	-		-	51.1	-	51.1
9000 48.9 54.6 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55		42.4	50.4	51.	-		•	-		-	-	-		-			
7000 49.7 56.0 56.7 56.7 56.7 56.7 56.7 56.7 56.7 56.7	1 5	6.84	54.5	55.	5		5	30	5	5	5	5	55.3	2			
49.4 57.5 58.2 58.2 58.2 58.2 58.2 58.2 58.2 58.9 <th< td=""><td></td><td>49.7</td><td>56.0</td><td>36.</td><td></td><td>9</td><td>.0</td><td></td><td></td><td>.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		49.7	56.0	36.		9	.0			.0							
50.4 56.2 56.9 58.9 <th< td=""><td></td><td>49.7</td><td>57.5</td><td>58.</td><td>00</td><td>8</td><td>03</td><td>8</td><td>00</td><td>00</td><td>30</td><td>8</td><td>8</td><td>80</td><td>8</td><td>8</td><td></td></th<>		49.7	57.5	58.	00	8	03	8	00	00	30	8	8	80	8	8	
4500 51.8 61.7 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4		0	58.2	58.	8	8	8	00	8	8		8	*	100	8		8
4000 52.5 63.8 65.3 65.0 66.0 <th< td=""><td></td><td></td><td>61.7</td><td>62.</td><td>2</td><td>2</td><td>2</td><td>3.</td><td>2</td><td>2</td><td>2.</td><td>2.</td><td>3</td><td>2</td><td>2.</td><td>62.</td><td>2.</td></th<>			61.7	62.	2	2	2	3.	2	2	2.	2.	3	2	2.	62.	2.
3500 56.7 68.8 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9		2	63.8	65.	5	6	5	1	5	5	8 0	5	5	5	5	65.	
3000 56.7 68.8 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9		2	63.8	66.		9	9	.0	9	. 9	9	0	9	9	9	.99	.0
2500 56.7 70.2 73.1 73.1 73.1 73.1 73.1 73.1 73.1 73.1		9	68.89	70.		0	0	0	0	0	0	0	.0	0	0	0	0
2000 57.5 75.9 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78		0	70.2	73.	73.1	73.1				3	73.1	3	3	3	73.1	3	10000
1800 58.9 78.7 82.3 82.3 82.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83		-	75.9	78.	78.7	78.7	8	*	8	00		8	8		78.7	8	78.7
1300 58.9 79.4 83.7 84.4 86.5 86.5 87.2 87.2 87.2 87.2 87.2 87.2 87.2 87.2		8	78.7	82	C		3		6	3	3				3	3.	83.0
1200 56.9 80.1 85.8 86.5 88.7 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4		8	19.4	83		. 9		-	7	-	-		-	-	7	-	87.2
1000 56.9 81.6 88.7 90.8 93.6 93.6 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3		60	80.1	85.		00	00	6	6	6		6	6	6	6	6	
56.9 81.6 88.7 90.8 93.6 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3			81.6	88	0		10	4	*	*	4	*		*	*	4	
800 58.9 81.6 88.7 90.8 93.6 93.6 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0		8	81.6	88	ċ			*	*	3	. 4	*	*			4	
700 58.9 81.6 68.7 90.8 93.6 93.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7		00	81.6	88.	0	6	0	*	5	5	5	3		2	5	3	
500 58.9 81.6 88.7 90.8 93.6 94.3 95.7 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5			81.6	88	·	3	3	5	5	3	5	3	5	5	5	3	
50. 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100.01		8	81.6	88.	0		4			.0	÷	.0			0	;	
200 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100. 200 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100.01		6	82.3	89.	2.	5	12		6	6	0.0	0.00	0.00	00	0	0	0
200 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100. 100 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100.01		6	82.3	68	2	5	2	-	6	6	0.0	0000	0.00	00	0	0	0
200 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3100.0100.0100.0100.0100.0100.0100.01		0	82.3	89.		5	10	7.	6	6	0.0	0.00	0000	00	0	0	0
0 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3 100.0100.0100.0100.0100.0100.0100.010		.6	82.3	89.		5	15	-	6	6	0.0	00	0.0	.00	0	0	0
0 59.6 82.3 89.4 92.2 95.0 95.7 97.9 99.3 99.3 100.0100.0100.0100.0100.0100.0100.010			82.3	89.	2.	5	1	7.	6		0.0	0.00	0.00	0000	00	0	0
		6	82.3	89.	2	3	2	-	6	9.3	0000	0.00	0.00	0000	00	00	0

TOTAL NUMBER OF OBSERVATIONS

141

3

0110

OBBIE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

F F B

ALL HOURS (L S T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
(FEET)	5	۰ ۸۱	\$	7	e Al	> 2%	7 1	VI %	VI 7.1	- AI	% AI	*	Z AI	≥ 5/16	VI Z	0 11
NO CEILING		39.6	0		41.3	41.5	41.8	41.8	41.8	41.8	-		41.9		-	41.9
N 20000		44.2		48.9	46.3		46.7	46.8	8.95	40.8	46.8		46.9	6.95		6.95
		44.2	5	45.9	46.3	0	46.7			8.94	0	•		6.94	•	6.94
00091		44.2			46.3	46.5	46.7	46.8	46.8	46.8	46.8	46.8	46.9	6.94		6.94
		44.8	5	46.5	46.8					47.3						
2 12000	38.5	47.1	-	48.8	49.1	49.3	49.6	49.7	49.7	49.7	6	0		49.7	49.7	49.7
			:	-	•	52.4		2.	2.		2		52.8		2.	
0006	40.5			52.1	55.5	2	52.9	53.0	53.0	53.0	53.0		3	53.1	3	•
			*	55.3	56.1	56.4			9	56.7	9	56.7	56.8	9		
1 7000			5	.0	57.1	7	57.6	•	7.	-	57.7	7.	1.	-	-	
	43.5		6.	57.2	7.	57.9		00		•	00		53.3	58.3	58.3	58.3
2000				59.1		0			60.3		60.3		0	0	0	4.09
			5				-	-		-						61.4
4000			0	61.5	62.2	65.29	62.8	65.8	65.39	65.0	3	2	2.	65.9		2.
			3	**	64.3	*	*	65.1	0	5	5		0		5	
3000			2	6.99	6.19	8	9.89	•		68.9	œ	8	0.69	6	6	
			6	0		~	~	2	72.9	~			3.	73.0	3	
1 2000					•	77.5	77.8	8			8	8	8		8	8
1800	51.8	72.0	75.4		8	0	6	80.1	80.1		80.2	80.2	80.3		80.3	80.3
1500				·		83.4	. 4	*		84.8	*	*		6.48	4	
1200			0	82.5	•	'n	•	87.1	87.2			•	-		-	87.5
1000			-		-	8	89.8	0	0	-		-	-	91.1	-	-
% AI			N		8	4.60		91.1	31.6	91.5	•	9116	:		•	91.6
00 8			5.		6	0		2	2	(4)	3	3	•	93.5	3	
			~	9	6	•	•	93.8		64.5	*				*	
00			5.	86.4	89.8	61.5	93.2		94.5	62.3	95.5	2.	2			
			3	86.8		91.9			•	. 9	•		0		-	
1 400				87.1	0	92.3	64.5	5	1.96			-			8	98.0
380			m		.0	•	. 4	6.56	.0	9.16	1.86			00	8	98.5
7 200			3	87.1	90.5	92.3	94.6	2	96.2			8	36.5		6	
91	53.3			87.1	90.5	92.3	4	62.6	36.5	8.16	4.86	28.1	4.66	6	6	200
٨١	•		3	87.1			94.6	3	0	97.8	•	œ	66.8	96.6	99.7	000

TOTAL NUMBER OF OBSERVATIONS

1128

1226

GLENVIEW, ILLINDIS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 NOUNS (1 \$ 7) MAR

1000

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(53)						
(FEET)	2	9	\$ 11	VI	e VI	2 2%	N AI	VI %1	VI 2.	- A1	% AI	*	7 11	2 5/16	× A1	٥
NO CEILING	2		40.0	0	0	0			0			0	0	40.7		40.7
> 20000	43.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
			46.5	0	•	6.	47.1	-	47.1	47.1	47.1		47.1	47.1	47.1	47.1
N 16000			46.5		46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
	0		46.5	0		9	47.1				47.1			•	47.1	47.1
≥ 12000			47.7	-			48.4		48.4	48.4	48.4		48.4	48.4	48.4	48.4
			48.4	2	3	00		6		5			0	6		
0006	0		48.4	8		60	0.65		0.65		•	6	5	6		0.64
1			52.9	2		2					3				3	*
7000	4.84		53.6	3	3		54.2		54.5	54.2	54.5	*	*	54.2	54.8	54.8
1			53.6	20.	3.	00	5	*		4		4	*	4	4	*
2000	0		55.5	5	5	5	56.1	•	9	9			. 9	. 9	0	0
	g.		57.4	-		1.		8		8				58.1	8	
141	:		0.09	C	0	0		0	0	0	0	ċ	0	0	-	-
	3		9.79	0	2			3		5	3		3	•	3	3
3000	54.5	63.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	5		65.8	65.8	66.5	66.5
			69.0	0	6		6	6	6	0	0		-	-	-	-
7 2000			74.8	5		M'S	.0		.0	-	•	-	8	8	8	8
	9		74.8	25	3	5	9	9		-	-	-		00	8	8
> 1500	58.1		79.4	0	0		81.9	-	-	82.6	N	2	83.2	83.2	83.9	3
	era.		80.0	0	81.3	,	3	2				3		3	. 4	4
1000	58.1		80.0	C	:	.:	è	2.		=			9	3		;
	58.1		80.0	80.7	82.6	(2)		+	•		3	5	S	85.8	0	86.5
008 AI	8		90.0	ċ	N		•	3	3	3	S	3	-		-	-
		77.4	80.7	81.3	83.2	83.9	5	5	•	.9	0		-	-	8	
00	*	78.1	81.3	-			87.1			-	•	-	6		6	89.7
			81.9		85.8	-				0	0	0	-	-		
V 400	58.7	78.1	61.8	82.6	3	87.1	6.06	0	8.06	91.6		91.6		34.5	8 . 46	
			81.9	10	9		-	91.0		2.	•	~	*			95.5
۱۸ م	00	78.1	61.9	*			91.6	-	91.6	5.	3	3	0	9	-	
8	*	78.1	81.9		86.5	•	9.16	91.6	91.6	~		3		•		98.1
	58.7	78.1	81.9	3.	9		4	-	-	2	3	3.	0	.0	98.1	0000

TOTAL NUMBER OF OBSERVATIONS

155

DINA

SMOS DIRNAVOCEANMET

0

0

0

14855

GLENVIEW, ILLINDIS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) GLENVIEW, TLLINDIS

73-77

MAR

286

03 HOURS (LST.)

	7	0.	0.	0.	0	6.	7.	-	•													5	5	*	0	.7	.3	.0	.2	.2	4	0.
ΛI	38	40	40	40	40	4	47	47		54	55	56	56	58	19	67	71	26							89	89						100
N N	8	0	0	0	0	-	47.1	47.1	3	*	5	9	9	8	-	1.	-		8	0	5		9	8	6	6	0	-	4	4	•	
> 5/16	60	0	ċ	0	0	-	47.1		6	4	5	. 9	9	8	-	7	-	9					86.5		6	6				*	96.1	
% Al	38.1							-	3		5	9	9	00	-	-	-			0	4	0	9	00	6	0	0	-	3			5
*	8	0	0	ò	0	-		-	3		3	8.9	8.9	8.7	1.9	7.7	1.0	6.8	80	ò	3	•	9		6	6	0	-	5.	5	34.5	*
% Al	8.1	0.0	0.0	0.0	0.0	1.9	7.1	7.1	3.6	6 4	5.5	6.8	8.9	8.7	1.9	7.7	1.0	6.8	8.7	1.0	3.9	6.5	6.5	4.8	0.6	1.6	0.3	1.0	5.9	5.0	3.6	3.6
- Al	8.1	0.0	0.0	0.0	0.0	6.1	7.1	7.1	3.6	4 . 8	5.5	8.9	8.9	8.7	1.9	7.1	6.0	6.1	8.1	0.0	3.2	5.8	5.0	7.1	7.7	3.4	0.6	4.1	1.6	1.6	2.3	2.3
7 1	7.4	4.6	4.6	4.6	4.	1.3	6.5	6.5	5.9	4.2	6.8	6.1	6.1	8.1	1.3	6.5	6.7	5.5	7.4	4.6	2.6	5.5	5.2	6.5	7.1	7.7	8.4	0.6	0.3	0.3	1.0	1.0
11%	7.4	3.6	4.6	4.6	9.4			5	5.9	2.4	4.8	6.1	1.9		10	3	. 1	.5	4.	4.	•	~	N	· 00			4	0		(1)	•	103
2	4.	. 4	4	4.	4.	m			6.	2.	00		-	-	•	3	1.	5	4.	4.		~	2.			•		4.		i	. 7	. 7
21/2			4.	.43	.43	•	.5 4	.5	9	.2 5	30		.1.	.1 5	.3	.5		.8	.8	.7 7	9	.5	so es	.2	00 •	æ.	8	•	.7 8	. 7	. 7	. 7
٨١	3	•	m	43	4	3	*	4					S	5	ç	9	0	7	-	-	œ	90	00		0	œ				- 1	0	
٨١	37.	39.	39.	39.	39.	41.	46.	.95	52.	54.	54.	56.	56.	58.	61.	.99				78.			83.	84.	85.	83.	.58	98			37.	-
٨١		0	00	æ		0	5	5	2.	10		5	8		0		1.		. 4		0	-		-	2.	2	2	3		3	83.2	
\$9 A1	9		æ	*		0	5	5	-	2.	3.	+	*	•	6	2.	5	6	-	2	9	8	8	*		78.7	78.7	19.4	6	6	19.4	6
۰ ۸۱																									75.1	76.1	76.1	76.1	76.1		0	9
5	0			10	3	5.3	5.6	4.6	4.5	5.8	.5	7	-	4.	1.	.3	6.	00	7				. 7	1.	1.	1.		1	.7			
(FEET)	CEILING	20000					1 5	000		7000		2000					1														8 4	
		210 26 25 24 23 22% 22 21% 21% 21 2% 2% 2% 25/16 2% 2 32.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	210 26 25 24 23 22% 22 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 32.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	20.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	22.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	210 26 25 24 23 22% 22 21% 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	22.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	210 26 25 24 23 22% 22 21% 21% 21% 21% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	210 26 25 24 27 27 4 37 4 37 4 37 4 38 1 28 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	210 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ≥ 2 ≥ 1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ % ≥ % ≥ % ≥	210 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ≥ 2 ≥ 1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ % ≥ 5/16 ≥ % ≥ 6 ≥ 6 32.9 36.8 36.8 36.8 36.8 36.8 36.8 36.8 36.8	210 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ≥ 2 ≥ 1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ 5/16 ≥ % ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥	22.9 36.8 36.8 36.8 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	22.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	22.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	22.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 28.1 28.1 28.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 3	21.0 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ≥ 2 ≥ 1% ≥ 1% ≥ 1% ≥ 1% ≥ 3 ≥ 2% ≥ 5 ≥ 1% ≥ 1% ≥ 1% ≥ 1% ≥ 1% ≥ 1% ≥ 2% ≥ 2%	21.0 26 25 24 23 22% 22 2 1% 2 1% 2 1% 2 1% 2 2 2 2 2 2	20 26 25 24 23 22% 22 21% 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	21.9 36.8 36.8 36.8 37.4 37.4 37.4 38.1 28.1 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	20.9 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.3 38.3	210 26 25 24 23 22h 22 2 1h 21h 21h 21 2h	20.0 26 25 24 23 224 23 224 37.4 37.4 38.1 28.1 24. 24. 24. 24. 24. 24. 28.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 3	20. 2.6 28 2.1 23 22% 22 21% 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	20. 26 28 24 29 29 29 29 29 29 29 29 29 29 29 29 29	20. 26 28 24 21 21 220 22 2 10 210 210 22 28 28 28 28 28 28 28 28 28 28 28 28	210 26 25 24 27 27 27 4 27 4 37 4 37 4 37 4 37 4	210 26 25 24 27 27 4 27 4 37 4 37 4 37 4 37 4 38 1 38 1 38 1 38 1 38 1 38 1 38 1 38	210 20 20 25 24 23 224 23 224 23 214 214 324 38 1 38 1 38 1 38 1 38 1 38 1 38 1 38	20. 2.6 2.6 2.7 2.7 27.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	20. 26. 25. 24. 20. 220. 22. 210. 210. 210. 221. 220. 220	22.9 36.8 36.8 36.8 36.8 37.4 37.4 37.4 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1

TOTAL NUMBER OF OBSERVATIONS

155

52.3

53.6

58.7

76.8

77.4 79.4

85.2 86.5

80.7

89.0

88.4

87.7

8.46 8.46

2.46

77.4 80.0 83.2 83.9 85.8 87.1 88.4 90.3 90.3 90.3 77.4 80.0 83.2 83.9 85.8 87.7 89.0 91.6 92.3 92.3 77.4 80.0 83.9 84.5 86.5 88.4 89.7 92.9 94.2 94.2 77.4 80.0 83.9 84.5 86.5 88.4 89.7 92.9 94.2 94.2

0.69 0.69

50.00

900

ALAI

92.3 92.3 92.3

94.2 94.8 95.5

2.46 94.2

94.8 96.1

89.7 93.6 94.8 94.8 94.8

CEILING VERSUS VISIBILITY

46.5

44.5

43.9 43.9 44.5

43.9

٨١

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

YEARS

06 HOURS (1 S T) MAR

2

			-	_	-	-	_		_	_		Ξ.	-				_		-	•	•		_	_	_	-	_	-
	VI 3		ë	4	3	4	4	5		0	2	2	3	54.8	•	8	7	-	;	-		0	5		7.	8		
	≥ 5/16		•				•							54.8													89.0	١
	Z N				•		•							54.8														ı
	*	6	3.	3	3	4.	4	5	. 9	6	2.	2	3.	54.8	9	00	-	-	.9	:	6	0	3	. 9	1.	8	6	-
	% AI	0	ä	3	m	4	4	2	•	6	i	3		54.8	•	8	7	-	9	-	0	0	5	9	7	8	6	
(\$)	- -	0				4	3	5	0	6	2	2	6	54.8	9	00		-	9		6	ċ	5	9	7	8	ċ	-
VISIBILITY (STATUTE MILES)	VI 7.1	6			3	*	*	5		6	2	0		8.45	. 9	3	7	-		.0	8	0	4	5	.0		87.7	-
BILITY (STA	V1 V2		3	3	43.9	4	*	5	9	6	2	2		54.8	. 9	00	7	-	9	9	8	6		*	5	5		
VISI	7		-	•		. 4	4.	5	9	6	2	2.		8.45	. 9	0	5	6	4	5	1.	8	-	3	6	. 4	5	
	≥ 21/2		3	5		*	4	5		0	N	3	3	34.8	. 9	00	10	0	10	*	0	9	ċ		2	eri		
	e VI						•		•					54.8												3.	83.2	-
	4	39.4	3			•	•		9	6	2	N	*	54.8	9	0	*	1.	•		4	4			0	·	80.0	-
	S 5	38.1	-	-	•	2	2	3		1.	0	-	-	52.9	. 4	0	3	5	-	-	5.	2.	. 4	. 9	.9	-	1.	
	۰ ۱۸	5	60	00	0	0	0	0	-	4		9	-	4.84	0	-		6	3	4.			-	-	8	0	0	
	2	28.4			30.3				32.3					36.8							49.7				50.3		50.3	ı
CEILING	(FEET)	NO CEILING	> 20000		≥ 16000		2 12000		000		000		2000		4000		3000		7 2000		1500		000		008 1		00	

TOTAL NUMBER OF OBSERVATIONS

135

96.1100.0

94.8

8.46

8.96

8.46

93.6

89.7

4.88 4.88

86.5 86.5

84.5 64.5

83.9

0.08 80.0

0.69 0.69

80

50.3 50.3

300

ALAI

83.9

77.4 77.4

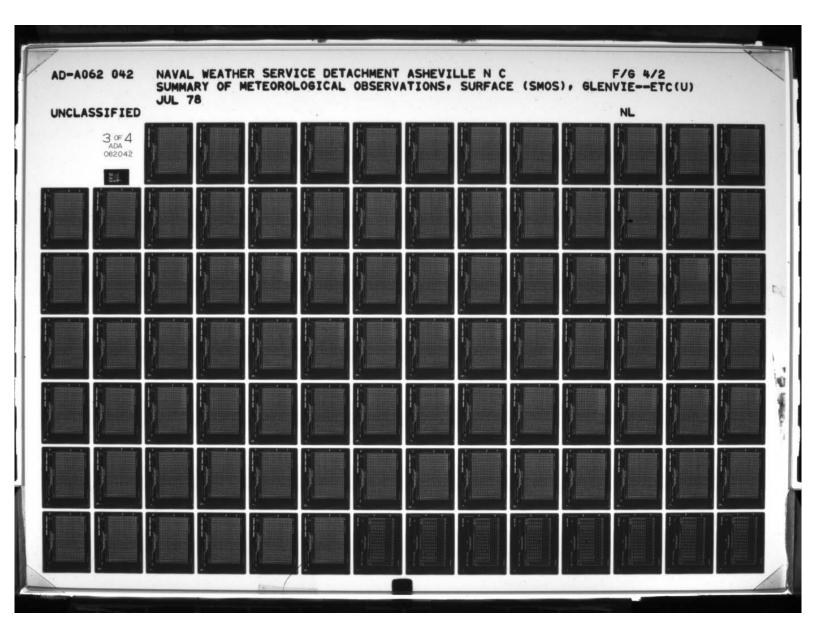
0.69

8

DIRNAVOCEANMET

SMOS

14855



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73-77

0.9 HOURS (1.5.T.)

TE

Y OF OCCURRENCE	SERVATIONS)	
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)	

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES						
(FEET)	5	۰ ۸۱	N) Al	4	N AI	Y 2%	2 AI	VI 72	¥1 VI	- -	% Al	*	% Al	≥ 5/16	NI NI	٨١
NO CEILING	28.4	36.1	39.4		0		0	40.7	0	0	40.7	•	40.7	40.7	0	41.3
2 20000	29.1		3.	44.3	42.5	0	45.5	43.2	43.2	43.2	•	7.64	0	•	0	45.8
V 18000	29.7		3	44.5	45.2	45.2	45.5	45.2	45.2	•	45.5	45.5	45.2		45.2	45.8
≥ 16000	29.7		43.2	44.5	45.2	45.2	•	45.2	45.2	45.2	45.5	45.2	45.2	45.2	45.2	45.8
× 14000	29.7		3	44.8	45.2	45.2	45.2	45.2		45.2	45.2	43.2		45.2	45.2	45.8
> 12000	30.3	40.7		45.2	45.8	45.8	•	45.8	45.8	45.8		45.8		45.8	45.8	46.5
	32.3		46.5	48.4	49.0	0.64	0.64	0.64	0.65	49.0	0.64	0.65	•	0.65	49.0	49.7
0006	32.3	43.5	46.5	48.4	0.64	49.0	0.65	0.64			0.64	6	0.65	6		49.7
	35.5		-	53.6	54.2	54.2	54.2			4	54.5	54.5		54.2	*	
1 7 1000	38.7		55.5	57.4	58.1	30	•	58.1	58.1	58.1	58.1	8	58.1	58.1	58.1	58.7
1	38.7	51.	2	57.4	58.1	58.1	58.1	58.1	58.1	00		58.1	8	•		58.7
2000	40.0	52.		50.4	0	0.09	•	0	•	60.0	0.09	0.09	0.09	0	0.09	60.7
	40.7			0.09	61.3			-:			61.	61.3	61.3		-	
4000	40.7	52.		0.09	61.3	61.3	61.3	61.3	61.3	61.3	61.	-	-	61.3	61.3	6119
1	41.3	53.		60.7	61.9	61.9	•		-	-	0	61.9	61.9		-	
3000	43.2		60.7	9.29	63.9	(0)	63.9	63.9	63.6	63.9	63.	3	3	3.	3	64.5
	45.8	50.	-	66.5		•		00		8	4.89	4.89	4.89	•		0.69
7 2000	47.1	61.	-	6	72.3	2	72.3	72.9		2	2	2		2.		73.6
	48.4	1	0	72.3	74.8	*	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1
1500	50.3		2		77.4		78.1	8	•		•	8	9		8	79.4
	0			•	78.7	79.4	79.4	80.0	0		0	80.0	90.0	0		
1000	-			78.7	81.3	-	81.9	2	82.6	82.6	82.6	2	2.	82.6	3	
	-		76.1	19.4	81.9	82.6	82.6	83.2	83.2		6	83.9	83.9	•		84.5
008 AI	51.0	69.7	76.3	80.0	83.9		36.5	87.1		-		87.7	87.7	87.7	-	
	-	71.	78.7	82.6	86.5	87.1	89.0	90.3	90.3	-	91.0	91.0		91.0	-	91.6
9		1	78.7	82.6	87.1	88.4	90.3	91.6	91.6	92.3	92.3	2.	92.3		92.3	92.9
	-	72.	80.0	83.9	88.4	89.7	91.6	65.6		93.6	2.46	34.5		4	1 -	
1 400	-	72.	80.0	83.9	88.4		91.6	5.	65.6	•	84.5	*	34.5	4	•	
	-	72.			88.4		91.6		95.9	•	2.46		94.5	94.2	•	
ام الم	51.0	72.9	80.0	83.9	88.4		91.6	•		93.6	;			*	96.8	
VI 80	-	2					91.6	65.6	92.9	93.6	34.5	2.46	8.46	8.46	97.4	4.66
٨١	-	3	80.0	83.9	88.4	89.7	91.6	•	_	100		4	•	*	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

188

CEILING VERSUS VISIBILITY

GLENVIEW, ILLINUIS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (L S T.) MAR

1000

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9 Al	\$	4	8 1	≥ 2%	7 1	V1 V2	71 71	-	% AI	*	Z Al	≥ 5/16	NI NI	0 11
NO CEILING	34.2	39.4	41.3	41.9	45.6	45.6	2.	42.6	2.	42.6	2	2.		2.	45.6	45.6
> 20000	38.1		-	50.3	51.0	-	51.0	51.0	51.0	-	51.0	-		51.0	51.0	51.0
N 18000	38.1	47.7	49.7	50.3	51.0	51.0	51.0	51.0	-:	51.0	51.0	51.0	51.0	-	•	51.0
	38.1		49.1	50.3	51.0	51.0	51.0	1:	51.0	51.0	51.0	:	51.0	51.0	51.0	51.0
	38.1	47.7	1.65	50.3	51.0	51.0	51.0	51.0	7	-	51.0	51.0	51.0	-		51.0
≥ 12000	39.4	49.7	51.6	52.3	53.6	3	53.6		53.6	53.6	53.0	3	53.6		53.6	53.6
N 10000	40.7		95.9			4	54.8	54.8		54.8	54.8	24.8	24.8	54.8	54.8	54.8
	40.7			53.6	54.8	5.	55.5	5	55.5	55.5	55.5	5		55.5	55.5	55.5
	40.7		. 4	•		56.8			56.8	56.8	56.8		56.8	56.8	56.8	56.8
Z 7000	40.7		4	54.8	56.1	9	56.8	•		9	56.8	•		56.8	56.8	56.8
	41.9	53.	5	56.1	57.4	58.1	58.1	00	58.1	8	58.1	58.1	58.1	58.1	58.1	58.1
> 2000	41.9	53.			57.4	58.1		58.1		58.1	58.1			58.1	58.1	
	45.6		-	57.4	58.7	59.4	29.4			0.09	0.09	0.00	0.09	0		60.0
× 4000	43.2	55.	-	58.7	0.09	0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
> 3500	43.9	56.	58.7	59.4	60.7	61.3	61.3	61.9	•	61.9	61.9			61.9	61.9	6119
> 3000	45.8		60.7	•	63.9		65.2		65.8		•		5	•	8.59	65.8
> 2500	51.6	65.	8.	1.69	-	2.	73.6	14.2	74.2	74.2			14.2		74.2	74.2
	53.6	69	72.3	73.6	75.5	76.8	77.4		78.1	78.1	78.1			78.1		78.1
7 1800	53.6		3.	74.8	76.8		78.7	79.4	79.4	79.4	4.64	79.4	19.4	79.4	19.4	79.4
1500	54.5	74.	_	80.0	82.6	50	84.5	85.2		85.2	85.2			5	85.2	85.2
N 1200	54.5	76.	80.7	81.9	84.5	85.0	86.5	87.1		87.1	87.1		87.1	-	87.1	87.1
1 1000	54.2	76.	81.3	82.6	85.2	9	87.1	87.7		87.7	87.7		1.18	87.7	1.18	87.7
% AI	54.5		-	•	•	87.1	87.7		88.4	8			88.4	8	88.4	
	54.5	77.	81.9	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
700	54.5	77.	81.9	83.2	85.8	87.1	88.4	6	89.0		1.68		89.7	89.7	89.7	89.7
% ^I	54.5	- 1	82.6	83.9	86.5	87.7	80.06	91.6	91.6	5	92.3	85.3	92.3	92.3	92.3	92.3
200	24.5	78.	83.2	84.5	87.1	00	91.6	2.	65.6		93.6	93.6	93.6	•	2.46	
	54.5	78.	83.5	84.5	87.1		91.6	65.6	92.9	3.	93.6	93.6	93.6	3.	62.5	95.5
300	54.5	78.	83.2	84.5	87.1	00	91.6	3	93.6	*	8.46	8 . 76	95.5	95.5	4.16	98.1
	54.5		83.5	84.5	87.1	-	916	93.6	93.6	98.5	1.96	8.96	4.16	4.16	4.66	0000
VI 8	24.5		83.5		87.1		9.16	93.6	93.6	95.5	1.96	•	4.16	4.46	14.66	0.00
	54.5	78.7	33.5	84.5	87.1	88.4	91.6	93.6	93.6	95.5	1.96	8.96	4.16	4.16	7.66	0000

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

49.0

0.64 51.0

49.0 49.0

47.7

51.0

54.8

54.8

54.8

56.1 57.4 57.4

56.1

56.1

53.6 53.6

53.6

51.0

65.2 72.3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

2

MAK MONTH 15

YEARS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

٨١

2 2 1/2

٨I

٨١

٨١

2 ٨I

(FEET)

44.5 44.5 44.5 44.5 ٨I ۸۱ ۷۱ ۲

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1

2 5/16

2 AI

Al

% AI

44.5 44.5

44.5 44.5 44.5

38.1 44.5

45.2 44.5

44.5

44.5

44.5 44.5 44.5

44.5

45.6

45.6

37.4 37.4

18000

44.5

38.1

38.1 44.5

36.1 42.6

CEILING

37.4

₹ 20000

45.2 45.2 45.2 45.8 45.8 45.8 45.8 47.1

47.1 47.1 44.5 44.5 47.7

44.3

45.2 47.1 44.5 45.8 47.7 49.0 49.0 49.0 47.7

45.8 45.8 45.8

47.1 47.7

47.1

45.8

45.8

47.7

45.2 45.2

45.2

45.2

44.5

44.5 44.5

44.5

0.64 47.7 47.1 54.8 53.6 56.1 0.64 47.7 56.1 56.1 51.0 51.0 53.6 53.6 53.6 54.8 54.8

51.0

51.0

51.0

51.0

51.0

51.0

0.65

0.04

53.6 54.8 56.1

51.6

40.7

2000

ALAI

52.9

6.14

54.5

43.2

4500

AI AI

0.64

49.0 49.0

0.64

0.64

47.1

39.4

39.4

8000

AI A

47.7 47.1

47.1 47.7

47.1

47.1

45.2

39.4

47.7

47.7

47.7

45.8

39.4

AI AI

45.5

45.2 44.5

45.2

45.2

43.2

45.8 45.8

45.8 47.1

45.8

43.9

38.1

1200

53.6 53.6 53.6 53.6

51.0 53.6 54.8 56.1 57.4 65.2 51.0 51.0 54.8 53.6 72.3 57.4 72.3 65.2 72.3 72.3 76.8

56.1 57.4 57.4 65.2 72.3

56.1

56.1 56.1

54.8 54.8

54.8

54.8

54.8 56.1

56.1 57.4 65.2 78.1 76.8 83.2 78.1 85.2 76.8 83.2

65.2 72.3 78.1 76.8 83.2 76.8 78.1 85.2 87.7 85.2 87.7

78.1

78.1

78.1

78.1

76.8

76.8

76.8

76.1 77.4

76.1 77.4

72.3

55.2 65.2

57.4 57.4 57.4 57.4

65.2

64.5

53.6 67.7

44.5 55.5

3500

AI AI

71.6 76.1

71.0 75.5 3.97

71.0

55.5 55.5 56.1 56.1 56.8 56.8

2500

AI AI

72.3

82.6

82.6

82.6

85.6

81.3

80.7

80.7

30.0

75.5

1800

ALAI

77.4

78.1

76.8 72.3 1.18 83.2 88.4

76.8 78.1 83.2 88.4 88.4 88.4

88.4 88.4 85.2 88.4

88.4 8006 91.6 6.06 91.6

88.4

88.4 88.4

87.7

87.1 87.1

87.1

87.7

87.1

83.2 64.5 85.8

82.6 83.2

77.4

77.4

61.3

76.1

1200

AI AI

81.9 81.9 83.2

84.5 84.5

84.5 84.5

89.7 800

89.7 90.3

88.4

88.4 89.0

87.7

83.9 85.2 86.5 83.9 85.2 86.5 83.9 85.2 87.1

83.2

77.4 77.4

55.8

88

ALAI

0.69 90.3

87.1

85.2

83.9 84.5

83.2

77.4

83.9

77.4 77.4

56.8

56.8 56.8 56.8 56.8

88

AI AI

0

83.2

56.8 56.8

88

ALAI

85.8 87.7

89.0

87.7 87.7 87.7

8.46 4.76 94.8 94.8 97.4

92.9

6.26

6.06

8006

6.26

6.26

90.3 90.3 90.3

6006

85.8

83.9 84.5

83.9 83.9

77.4

77.4 17.4

88

ALAI

90.3

95.5

6.56

92.3

60.3 80.3

60.06

95.5

98.5

6.06

60.3

8.06

90.3

80.06

90.3

87.7

85.8

84.5

77.4

56.8

80

ALAI

0

0

84.5

83.9 83.9

90.3 91.6 98.1 90.3 91.6 2.46 34.5 8.96

380

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINUIS

18 HOURS (1 S T.) MAR

1000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		3	.2	2.	.2	80	7	9.	9.	.3	.2	.3	4.		6.	5	9.	. 3	8	7.	6	6.	.2	8	7	0	0	6.	-	8	7	-	0
	AI		45		45	45	47	1225	51				57		63		71		76	18	81	83	85					92	-	96	98	86	001
	7	.3	.2	.2	.2		-	9.		•	.2	.5	*				•		•				.2	æ	-	0	0.	0.	-	8	-	-	7
	Al	4	45	45	45	45	47	21	51	52		55	57	60	63	99	71	74		78		83	200	85	87	8	89	92	96	96	86		98
	5/16		.2		.2		:	9.	•		2		4.		6.1				•		•	6.	2		:	•	0.	6	-	. 3		-	-
	۷I	4	45	4.5	45	45		51	51		54	55	57	9			7	74	76	78					87	8	89	6	96	96	98	86	98
	2						:																•	•							4	4.	4.
	AI		45	45	4	45		2		2	5		57	9	63					78		00	85		87	68	8	6		90	0	6	0
	*		5.5		5.2	8 . 6	7.		1.6		2	5.5	4.1		3.9		1.6			8.1	•	•	2.5	5.8	7.1	3 . 4	8.4	2.3	2		5.5	. 5	5.5
	AI	3	4	4	4	4	4	1	n,	2	5	5	N.	0	0	0	~	-	7	-	00	œ			ø	œ		o	6	0	0	5	0
	*		5.2	5.2	5.2	5.8	7.1		3.6		•	5.5	•		3.9				•	8.1	•	3.9	5.8	5.8	7.1	4.8	4.8	2.3	4.2	. 8	5.5	5.5	5.5
	٨١	4	4	4	4	4	4		5	2	5	5	K	9	9	0	1	-	-	-	00	යා	80		8			0	6	6	0		0
	-		5.2		5.2		7.1	1.6	1.6		4.2		7.4		3.9		1.6	8. 4	•	8.1	1.3		4.5	5.2	6.5	7.7	7.7	1.6	3.6	4.2	4 . 8	8 . 4	8 . 4
ILES)		4	4	4	4	4	4	2	5		5	-	5	0	9	0	~	-	~	~	00	30	œ	8	00	8	8	6	6	6	0	6	0
VISIBILITY (STATUTE MILES)	7.		5.2				7.1		1.6		4.2	5.5			3.9	0	-		0	7.	0.7	2	3	4			0	8	6		0.3	0.3	0.3
STATU	ΛI	*	4	3	4	3	4	2	5	3	2	5	4	9 /	9	_		20		4	20	9		80	20	8	00	*	00	6	0	6	0
11	7 7	-	5	5	5	5	-	-	-		*	0			3.	9	-	*				2								-	6	6	6
ISIBIL		4	4	4	2	4	7	S	5	-	2 5	-	4	10	9		5	-	8 7	7	7 8			80	2	50	30	8	20	2	2	2	2
*	AI	-	5	5	5	5	-	-	-	2.	;	5	-	.0	*	9	-	4	.0	7.	0	2	6		5	. 9			-	-	-	1.	-
		1	2		2 4	-	1 4	6 5	-	3	2	-	4 5	1			6 7			4					5	2	2		80	03	80	80	œ
	> 2%	-	5	5		10)			.1.	2	. 4	.5	.7.	00	11				. 9	-	0		•	3	. 4	5	5	5.5	5	5	5	. 5	131
		3 4	2	2	2	20	7	9	9	3	2	3	4	1		5			8	3	4 8				6	2	2	2	2	2	~	2	2
	۸I	4.1.	45.	45.	45.	45.	17.		51.				57.		63.		7.		0	77.		-	N			84.	*	5		83.	85.	35.	85.
		3	2	_	N	000	-	_	0	3	~	5	*	-			0		-	-	-	4	0	-	m	0	0	•	•	9	9	9	Ç
	AI	41.	43	45	45	45.	47	51.	51.		54.	55		90	63.		71.	74.	76.	76	78	54	80.	80.	81.	81.	8	200	82.	82.	82.	82.	
		3	2	2	~	2	S	0	0	0	0	C	00	4	9.	2.	1	6	3	'n	8	4.	7.	-	4	0.	0	1	7	1			~
	VI VI	41		45	45		46				3				N	10	69		3		0	-		0	0		0	80	80			80	80
	•	.3	.5	s.	5	5	80		.3	0	6	2		-	-	9		0	0	9.	6	.0	.2	8	€			.5	.3	.5		.5	5
	AI	14	4	4	55	3 3	4 5	20	0	51	N	54	26	20	9	62	99	69	71.	71.	72.	13	74	74	74	15	13	75	75	13	25	75	75
	0	7.						.5	.5	2.			1.	•	0.	9	-	.5		1	4.	*	4.	0	0	0	0	0	0	0	0	0	0
	ĀI	30	40	40	40	40	4	77	44	4	4	4	0	20	-	2.0	56	-	S	58.1	29	20	5.5	00	00	09	09	90	00	60	00	09	90
0	_	NG	8	8	8	8	8	8	8	8	8	2	8	2	2	2	2	2	0	8	8	2	00	2	8	2	8	8	8	8	200	8	•
CEILING	(FEET	CEILING	700		≥ 16000	140	≥ 12000		000		7000	1	200		8		3000	1	2000		≥ 1500		1000		8		141		1 1		IAI		AI
		ç	~ı						, AI			L	1 11		1 11		1 11		1 11		^1	^	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		M								

TOTAL NUMBER OF OBSERVATIONS

155

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

MAK

21 HOURS (LST.)

100

٨١ 85.5 0.65 71.0 81.9 89.0 91.0 91.6 53.6 53.6 53.6 57.4 74.2 80.0 52.9 61.3 74.2 56.1 56.1 63.6 66.5 ٨١ 80.0 71.0 85.2 85.8 0.68 45.8 52.9 52.9 52.9 52.9 53.6 53.6 53.6 53.6 57.4 61.3 66.5 66.5 81.9 81.9 91.6 0.65 74.2 63.9 63.9 74.2 0.16 45.8 90.3 80.0 89.0 49.0 74.2 74.2 85.2 61.3 11.0 85.8 90.3 0.16 53.6 53.6 56.1 56.1 45.8 57.4 57.4 2 89.0 74.2 45.8 63.9 80.0 81.9 85.8 45.8 45.8 48.4 48.4 0.65 61.3 66.5 85.2 71.0 74.2 91.0 8006 ۸۱ 0.64 53.6 57.4 80.0 91.0 91.6 56.1 61.3 71.0 74.2 81.9 6.06 74.2 85.6 89.0 93.6 60.5 85.2 63.9 63.9 45.8 71.0 73.6 45.8 73.6 45.8 0.65 48.4 48.4 56.1 80.7 81.3 52.9 52.9 53.6 53.6 57.4 88.4 89.0 90.3 45.8 66.5 19.4 85.2 87.7 69.7 93.6 84.5 91.6 VISIBILITY (STATUTE MILES) 0.65 73.6 53.6 37.4 73.6 66.5 71.0 83.9 91.0 84.5 0.68 45.8 53.6 56.1 78.7 87.1 45.8 1 ٨١ 45.8 0.65 57.4 71.0 73.6 48.4 48.4 56.1 80.7 0.68 93.6 52.9 52.9 53.6 61.3 63.9 63.9 73.6 78.7 5. 40 53.6 86.5 88.4 66.5 83.9 53.6 0.64 57.4 73.6 45.8 45.8 80.7 83.9 53.6 66.5 73.6 85.8 71.0 78.7 84.9 45.5 61.3 45.8 87.1 56.1 56.1 56.1 56.1 56.1 87.7 ٨I 52.9 73.6 0.64 78.1 80.0 84.5 85.5 45.8 45.8 53.6 53.6 57.4 61.3 66.5 71.0 13.6 81.9 62.6 85.8 86.5 2 2% 52.3 53.6 53.6 53.6 55.1 54.8 45.8 7.09 7.09 57.4 51.6 52.9 52.9 52.9 63.2 63.2 65.8 72.9 48.4 53.6 53.6 53.6 70.3 72.9 76.1 76.8 77.4 78.1 80.0 81.3 81.9 82.6 49.0 49.0 82.6 83.2 57.4 2.69 79.4 45.8 48.4 48.4 72.3 82.6 45.8 72.3 81.3 44.5 45.8 45.8 64.8 80.7 1 75.5 76.8 80.0 57.4 0.65 58.7 60.7 71.6 71.6 61.3 63.2 8.69 6.69 0.69 78.1 78.7 45.8 AI 72.3 44.5 52.3 44.5 47.1 72.9 44.5 69.7 71.6 73.6 67.1 69.7 72.9 74.2 74.8 74.8 74.8 74.8 4.8.4 45.6 47.7 46.4 57.4 0.09 51.6 56.8 61.3 61.3 50.3 0.09 61.3 61.3 45.2 56.1 61.3 9.75 45.6 45.8 54.5 60.7 2.09 61.3 61.3 61.3 61.3 61.3 VI VI 0009 1 VI 0009 ≥ 20000 12000 900 800 800 800 7000 (FEET) 2000 88 88 80 4500 500 900 88 900 3500 88 AI AI AI AI AI AI ALAI AI AI AI AI AI AI AI AI ALAI ALAI ALAI AI AI

TOTAL NUMBER OF OBSERVATIONS

155

18.08

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

ALL HOURS (LST.)

i

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۱	\$5 A1	AI AI	e vi	Y 21/2	2 41	VI %1	¥1 ×1	- -	% AI	*	× AI	2 5/16	VI 74	0 1
NO CEILING	10	38	39.4	39.8		0		40.1		ò	0	2.04	40.2	40.2	0	40.2
IA 20000	36	42.			2	•		45.2	3	•	•	5.	2	2	5	
	0	42.		44.9		10	•		•	5	•	2.	•	5.	5.	45.4
≥ 16000	0	4	44.4			5	•	45.2	•	5	•	3	2	•	3	
	-	43	44.0	45.2		45.4	•	45.5		10	45.0	2		5		45.7
> 12000	-	44	31			0	46.5	46.5	•		•	9				
	0	46		48.6		6		6		6	1.65	6	6	.6	6	
000	39.8	4	48.2	48.9	49.2	49.3	4.65	4.64	4.64	4.64	4.64	40.64	4.64	4.64	4.64	49.5
	-	4	-		2	2	2.	2	2	2	2	2.		2.	2.	52.9
7000	19	5	?	53.6	3	*	4	*	4		•	;	*	4	4	54.3
1	640	5	m		4.		4.	4	4	*	4	;	4	*	4	55.0
2000	4	5	3		9	.0		9		\$. 9	9		56.6
	5	54	.0			-	-		1	8	00	33	8	8	00	58.2
400	0	55	00	59.3		59.8		6	6	ò	0.09	0		0	0	60.2
	-	57	ċ	-	-	-	-	-	-	-	-	-	-	-		62.1
3000	0	6		30	3	9	.9	•	;	9	•	9	;	9	•	6009
1	N	94		60.5	0	o		-:	-	-		-	-	-		71.9
7 2000	4	68	2.	3	*	4		5	5	9	.0	•				76.5
	*	69		*	3	0		9	0	-				-		77.6
N 1500	IL.	7.1	76.1		0	0	0	0	0	-	-	-	-	-		81.7
	0	72	77.3	6	0		2	2.	2.	2			3	3		83.5
1000	0	73	•	80.3	82.3	63.2	*			3	85.4		85.5	1	85.6	85.7
	0	14	79.1	0	60	*	5	5		ċ	0	0	0	è		86.5
8	0	74.		81.4		4	9	. 9		-	•	87.8		8		88.2
	0	74.	0	62.1	*	5			-	8	89.1		6	6	6	89.6
8	-0	75.	80.4	82.3	*	.0	:				0	0	0	0	•	90.7
	0	75.	81.0	82.9		0		6			616	91.9	2.	2.	2	92.7
141	0	73.	81.1	83.0	5		89.2	0		-	3	3	6	•	94.1	
	56.4	n.	81.1	83.1	85.9	-		-			34.5	2.46	2	2		62.6
, s	50.4	5	81.1	83.1		87.3	6		-		•		3	.0		
-	56.4	75.3	31.1	83.1	86.1	87.3	89.8	91.3		93.7	0.56	2.56	4006	8.96	0.86	98.6
١٨١	56.4		81.1	83.1	86.1	87.3	89.8	91.3	41.7	93.7	95.0	95.2	4.06		0.86	

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

GLENVIEW, ILLINDIS

YEARS

00 HOURS (1 S T) APR

2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(§)						
(FEET)	5 7	9	\$ 1	A I	E 41	≥ 2%	2 2	۲۱ ۲۷	71 71	1	% AI	*	% Al	≥ 5/16	VI Z	0 1
NO CEILING	40.7	46.0		0.84		8	8	8	00			8	8.		8	48.0
≥ 20000	44.0	50.	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	2.	52.7	52.7		52.7
7 18000	44.0	50.	2	2.	52.7	52.7				THE WALL	52.7	52.7	52.7		52.7	52.7
N 16000	44.0	50.7	52.7		52.7	52.7	52.7	52.7	52.7	52.7	52.7	3			52.7	52.7
	0.44	50.7	52.7			52.7		52.7		52.7			52.7		52.7	52.7
≥ 12000		51.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3		53.3
		55.3	58.0	58.0	58.0	58.0	58.0	58.0		58.0	58.0	58.0	58.0	8		58.0
0006	48.7	55.3		58.0		58.0	58.0	58.0	58.0	•	58.0	8	8	58.0	58.0	58.0
1		64.7		67.3	67.3	67.3	6.1.3		67.3	67.3		67.3				67.3
7000	55.3	65.3	68.0		68.0	0.89	8	0.89	8	68.0	8	8	8		8	0.89
1		67.3	0					70.0		ò	70.0	0.07	0.0	70.0	70.0	20.0
2000		69.3	72.0	72.0	72.0		2	2	2	~	2	5	2.			
		70.7	3		73.3	73.3		73.3		73.3	73.3	73.3	73.3	73.3	73.3	73.3
1 4000		74.0	76.7	9	76.7		76.7		7.97	•	•	.9		.9	9	
		77.3	0	80.0		80.0		80.0		80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000		80.0	82.7	82.7	82.7	~	82.7	5	82.7	~	2	5	82.7	2.		
		80.7	3	0.48		0.48	•		*	84.0	*	84.0	84.0			
7 2000		81.3	84.0		84.7	84.7	85.3	85.3	85.3	85.3		•	85.3	85.3	85.3	85.3
		82.0	84.7			85.3	.9	9		÷		9	•	86.0	•	86.0
1500	70.0	87.3	0.06	2006	1.06	0	61.3			91.3	61.3	-	91.3			61.3
		87.3	0.06	91.3	61.3	91.3	5.	0.26	95.0	95.0	~	95.0	95.0	95.0	95.0	95.0
> 1000		89.3	3	0.46	0.46		1.56			•						
			92.7	0.46	1.46	4.7	95.3	6.36	3	65.3	65.3	88.3	65.3		65.3	
800			63.3		65.3	0.96	1.96				0	9		1.96	•	46.7
			•	95.3		6.1	97.3	6.16	97.3		6.76	61.3	97.3	97.3	-	
> 600	71.3		•	0.96	1.96		0.86		8	0.86	8	8	8	98.0	8	
200	71.3		1.56	0.96			7.86	8	68.3		8	8	8	98.7	8	
400				1.96	97.3	98.0	66.3			66.3	•	6	66.3		6	
38	71.3		68.3	96.7	61.3	•	99.3	66.66	666	6	99.3		99.3		66.3	99.3
	71.3	91.3	95.3	96.7		00	6	6	6	0		6			0	0.00
8	71.3		65.3	2.96	97.3	0.86	66.3	66.3	66.3	66.3	66.3	66.3	66.3	99.3		
٥ ٨١	-	•		1.96	1	8	.6	6	6	6	6	6	6		00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03 HOURS (1.5.T.) APR

8848

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

73-77

APR

90 70

NAME OF TAXABLE PARTY.	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
STATION NAME	PERCENTAGE	(FROM H

	0 11	8.7	0.4	4.0	0.4	4.7	4.7	100	10.7			6.6	0.0		4.0	4			3.3			1.3		5.3		7.3		8.0			6.6	0.0	0.0
Ė.		7	.0 5	0	0.	7 5	7 5	7 6	7 6	0	7	3	0	0		0	0	-	3 8	3	7	3	3	3	0	3	3	0	0	1 9	7 9	710	710
	AI N	48	54	54.		54.	54	09	9	99	68	69	0	72.	74	74.	76.	8	83	83	88	16	63	95	96	26	97.	86	86	86	36	86	86
	5/16	8.7	4.0	0.4	4.0	4.7	4.7	1.0	0.7	0.9	8.7	6.3	0.0	2.0	4.0	4.0	0.9	-	3.3	3.3	8.7	1.3	3.3	5.3	0.9	7.3	7.3	8.0	8.0	8	8.0		8.0
	Al	7	0		0 5	7	7 5	7 6	7 6	9	7 6	_	0	0		0 7	0	e e	m	es es	7 8	3	3	3	0	9		0	6 0		0	_	0
	VI Z	48.	54.	54	54	54.	54.	60.	60	66.	68	69	10	72.	74	74	76.		83.		88	91.	93.	95.	96	97.	97.	98	98.	98	98.	9.6	98
	*	8.7	0.4	0.4	4.0	4.7	4.7		1.0		8.7	6.3	0	N	4	3	0.9	1.3	3.3	3.3	8.7	•	3.3	5.3	•	7.3	7.3	8.0	8.0		•	0.8	•
			0		S		7	7 60	7	0	9 1		0.	0	0	. 0	7	3	3		7			3 9						0		0	
	۸I	48	34	54.	54.	54.	54.	60.	60	66.	68.	69		72.	74.		76.	81.	8	83	88	.16	63.	95.	96	97.	97.	98.	98	98	98	98	.86
	-	8 . 7	4.0	0.4	4.0	4.7	4.7	1.0	1.0	0.9	8.7	6.6	0.0	2.0	0.4	4.0	0.9	1.3	3.3	3.3	8.7	1.3	3.3	5.3	0.9	6.7	6.7	7.3	7.3	7.3	7.3	•	7.3
WILES)		7 4		5	2	7 5	7	7	7	9 0	7	3 6	-	1	7	,	1	00	30	œ	7	3	3	6 6	3	6 0		7 9	7	7 9	6 1	6 1	7 9
VISIBILITY (STATUTE MILES	VI 7.	48.	54.	54.	54.	54.	54.	.09	60	99	68.		20	72.	74.	74.	76.	81.	83.	83.	88	91.	63.	. 76	95	96	96	96	96	96.	96	96	96
ITY (ST.	7,1	8.7	0.	0.	0.4	4.7	4.7	0.4	0.7	0.9	8.7	6.3	0.0	2.0	0.4	0.4	0.9		3.3	3	8.7	0.7	2.7	0.4	4.7		5.3	0.9	0.9	0.0	0.9		0.9
/ISIBIL	۸۱	4	S	3 5	3 3	0 5	0.	9 0	0	3 6	0		3 7		1	3 7			00	0	8	1 3	6	0	16		3	6 0	6	0		6	6
	AI		53.	53.	53.	54.	54.			65.	68.	68.	69	71.	73.	73.	75.		82.	82.	87.	58.	.06	55	92.	93.	93.	. 76	. 76		. 76	. 76	. 46
	21/2	8.0			3.3	0.	0.4	0.0	0.0	3	8.0	8.	6.3		3.3	3.3	4.7	0	0.7	· .	33	1.9	8.7	0.0	0.7		1.3	2.0	2.0	0.3	2.0	0.3	2.0
	٨١		2	2	2	3	es es	3 6	3 6		3 6	0	1 6	1 1	1	1	0 74		0	0 80	-	90		3		5 1					3 9	0	3 6
	٨١	47.	52.	52.	52.	53.	53	59.	65	64.	67.	68.	.89	70.	72.	72.	74.	78.	80.	80.		86.	88	89.	.06	.06	.06	91.	91.	91.	91.	91.	91.
	•			\$4.)		0	0.	0.	0.	.3	0.	1.0			1.3	200	0.			•	0.	.3	62	0.0	1.1		1.1	100	3	.3	.3	•	.3
	٨١	3 46	7 5	2	7	3 52	3 52	5 58	3 58	63	7 66	3 6	0 67	09 0	3 7	-	0 72	-	7 77	1 7	3 8	8	3 88	98 0	7 86		7 86	3 8	3 8	3 8	3	90	3 87
	۸I			•		•	51.			•		•	•				•	•		14.			•	•	•	•	•	•	•	•	83.	•	•
	•	0.	•			1		1		1		1		1		1	1.99			1		1					76.7	~	1	~	~		
	۸۱	4	7 49	4	-	-	-	7 55				1				1		1		1				0				1		-	0 76.	~	76
	2				38				44	64	50.	50.	51.	52.	52.	52	52.7	54.	55.	55.	57.	57.	58.	58.	58.	58.	58.	58.0	8	00		70	00
ç	6	SN	8	8	8	8	8	8	-		2000				4000		3000		2000	-	1500		000		008		909		400	8	200	8	0
CEILING	(FEE	NO CEILING	₹ 20000		N 16000		≥ 12000	1	000 AI		2	1	× 2000		141		8 1 A I		2		٧١ 3		2		٨١				VI 4		AI		AI

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

APR

TOTAL NUMBER OF OBSERVATIONS

150

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CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

APR

1.2 HOURS (LST.)

CCURRENCE	(SNO)
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
PER	

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(JEE)	2	9	۸۱ ده	4	8	≥ 2%	AI	VI %1	YI %1	<u>-</u>	% Al	* Al	% Al	≥ 5/16	VI N	٨١
NO CEILING	0	5	0.94			0.94	9	46.0			0	9	0	6.	0.94	46.0
≥ 20000	45.3	-	52.7	52.7		53.3	53.3	3	3	53.3		53.3	3	9	3	53.3
	5		52.7	52.7		53.3	3.	53.3			3	•	3.	3.	53.3	
≥ 16000	6.3	51.3	52.7	52.7	3.	53.3	53.3	53.3		53.3	3		3	53.3	\$3.3	53.3
	500	51.3	52.7	52.7	53.3			53.3	10		3			3.	53.3	53.3
≥ 12000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53,3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	46.0	53	3	•	.0	26.0	.0			•	9			.0	26.0	
2 8000	40.0	53.	55.3	55.3	26.0	26.0	56.0	•				26.0		56.0		56.0
	51.3	58.	60.7	61.3			2.		2.	62.0	2.	65.0		62.0		
> 7000	52.0 5	59.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	2.	62.7	2	5	62.7	62.7
	52.7	.09	2.	63.3	4.	0.40		0.49	•				4	*		
2000	54.0	. 40	0.99	66.7	00	•	8	68.	00	0.89	80	8			•	
1	56.0	66.7	6	70.0	71.3	71.3	•	71.3			71.3	71.3	-	71.3		71.3
4000	56.7	0.89	0	71.3	2.	72.7	2	72.7	~	72.7	3.	72.7		72.7	72.7	72.7
	57.3	70.	72.7	73.3	74.7	74.7	*	74.7				74.7		74.7	74.7	74.7
3000	61.3	74.	76.7	77.3	78.7	79.3	79.3	79.3		79.3	79.3	79.3		79.3	6	79.3
	65.3		61.3	82.0	83.3		*	84.0	4	84.0	84.0	*	*	*		84.0
≥ 2000	0.89	81.	84.7	86.7	88.7	89.3	89.3	89.3	89.3	6	6		0	6	89.3	89.3
	70.0		86.7	88.7	7.06	91.3	91.3	91.3	91.3	91.3	-	91.3		91.3	61.3	91.3
> 1500	70.7	85	88.7	91.3	63.3	0.46		0.46		•		0.46		4		0.46
	70.7	86.	69.3	92.0	0.46	95.3		95.3		65.3	3	65.3	95.3	5		95.3
0001	70.7	86.	89.3	0.26	0.46	95.3	5	95.3	95.3	95.3	5	95.3	3	95.3	95.3	
	70.7	86.	6	92.0	1.56	•	. 9	0.96	•	0.96	0.96	0.96	0			
008	70.7	86.	0.06	92.7	0.96	97.3	6.16	97.3	97.3	97.3		97.3	•	97.3	61.3	97.3
	70.7	86.	0	42.7		64.3		97.3	97.3	61.3	-	97.3	-		97.3	97.3
% 	71.3	67.	2.06	63.3	7.96	98.0	7.86	7.86	7.86	7.86	7.86	98.7	00		4.86	
	71.3	88	-	0.76	61.3	98.7	86.66	8.66	0	66.3	66.3	86.66	6	86.3	66.3	66.3
400	71.3	88.	61.3	0.46	61.3	7.86	6.66	8.66		•		666			66.3	66.3
	71.3	88.	61.3	0.46	61.3	98.7	66.3	99.3	99.3	66.3	66.3	66.3	0	66.3	66.3	99.3
700	71.3		91.3	0.76	97.3	7.86	99.3	66.3	99.3	66.3	66.3	8.66	6		99.3	0000
	71.3	88	91.3	0.76	61.3	68.7	66.3	99.3	99.3	66.3		99.3	6	66.3		0000
٥	71.3	88.0	61.3	0.76	97.3	98.7	66.3	99.3	66.3	60.3	99.3	86.3	66.3	66.3	99.3	0.00

TOTAL NUMBER OF OBSERVATIONS

150

0 0 0 0 0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

1.5 HOURS (1.5.7.) APR

E BUR

						(FROM HOURLY OBSERVATIONS)	HOURLY	LY OB	OBSERVATIONS	TION	<u>(6</u>					1) SUNOH	. T. S.
CEILING	Ö							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
<u> </u>		5	۰ ۱۸	۸I	۸I	۸۱	> 2%	7	٧١ ٧٢	VI 2/1	<u></u>	% AI	*	22	≥ 5/16	VI N	٨١
NO CEILING	ILING	38.0	0.44	4	4	44.0	*	0.44	4	44.0	44.0	0.44	0.44	4	0.44	4.	44.0
1 2	20000	0	50.7	50.7	50.7	50.7	0	50.7	50.7	50.7	50.7	50.7	20.1	50.7	50.7	50.7	
	000	1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	-1	51.3	51.3	51.3	51.3
VI 5	16000	1.	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	000	45.3	52.0	52.0	52.0	52.0	55.0	52.0	52.0		52.0	52.0		52.0	52.0	52.0	52.0
12	12000	6.	52.7		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
	000	0	55.3		55.3	55.3	55.3	55.3	55.3		55.3	55.3	55.3	55.3	55.3	55.3	55.3
٨١	0006	48.0	50.3	55.3		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
	000	3	58.7	58.7	59.3	0.09	0.09	0.09	0.09	0.09	0.09	0.09			0.09	0.09	60.0
1 11	2000	0	50.3	59.3	0.09	60.7	60.7	1.09	60.7	60.7		60.7	2.09	60.7	60.7	1.09	60.7
1	8	1	0.09	0.09	60.7	61.3	61.3	61.3	61.3			61.3	61.3	61.3	61.3	61.3	61.3
I AI	2000	6	0.49	0.49	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
1	200	~	66.7	67.3	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	7007	70.7	7007	70.7	70.7
I VI	4000	50.0	68.0	68.7	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
	200	0	70.7		72.7	74.0	14.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IAI	3000	•	74.0	75.3	76.7	78.0	79.3	79.3	79.3	79.3	79.3	79.3	19.3	19.3	79.3	79.3	79.3
	-	1	76.7	78.0	79.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	32.0	82.0	82.0	82.0
1 / 1	2000	~	82.7	84.0	68.3	86.7	68.0		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
	-	~	83.3	84.7	86.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
٨١	1500	67.3	84.7	86.0	87.3	89.3	2.06	91.3	91.3	91.3	91.3	61.3	61.3	61.3	91.3	91.3	91.3
		100	85.3	86.7	88.7	60.7	62.7	93.3	93.3	63.3	63.3	63.3	63.3	93.3	63.3	63.3	93.3
ΛI	1000	1.	87.3	89.3	91.3	63.3	95.3	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	006	. 7	87.3	89.3	61.3	93.3	95.3	0.96	0.96	0.06	0.96	0.96		0.96	0.96	9	0.96
ΛI	800		87.3	89.3	92.0	0.46	0.96	1.96	7.96	2.96	1.96	1.96	1.96	1.96	1.96	1.96	96.7
	200	. 7	87.3	89.3	92.0	0.46	0.96	97.3	8.76	97.3	0.86	98.0	0.86	0.86	98.0	0.86	98.0
1 11	000	. 7		89.3	92.0	94.0	0.96	97.3	97.3	97.3	0.86	98.0	0.86	3	0.86	0.86	98.0
	200	. 7	87.3	89.3		0.56	0.96	97.3	8.16		0.86		0.86	0.86	7.86	1.86	98.7
IAI	400	68.7		89.3		1.46	7.96	98.0	0.86	98.0	7.86	2.86	98.7	7.86	80.3	8.66	99.3
	300			89.3	92.0	1.46	1.96	0.86	0.86	0.86	7.86	1.86	286		66.3	66.3	99.3
IAI	200			89.3	92.0	1.56	1.96	0.86	0.86	0.86	48.7	98.7	28.4	98.7	99.31	0.00	00.00
	8	*	87.3			1.56	1.06	0.86	98.0	0.86	68.7	1.86			66.31	0.00	000
1 11	•	68.7	87.3	89.3	92.0	1.46	7.96	0.86	98.0	98.0	7.86	7.86	1.86	7.86	99.31	0.00	000
١	1	1			1	-		-	-			1					

TOTAL NUMBER OF OBSERVATIONS

150

1881

0

1552

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855

200

APR

13 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	0 11	*	.0 54.0	0.45 0.	0.45 0.	0.45 0.	0.46 0.	0.95 0.	.3 57.3	1.99 1.	0.89 0.	.7 68.7	0.41 0.	.7 76.7	.3 77.3	0.87 0.	.3 83.3	.3 87.3	.7 88.7	.7 88.7	.3 91.3	0	.3 95.3		0	.3 97.3	.3 97.3	.7 98.7	7 98.7	.7 99.3	.7 99.3	.3100.0	3100.0
	5/16 ≥ 1	5	54	95 0	.0 54	0 54	.0 54	2	3 57	7 66	89 0		0 74	7 76	3 77	-	3 83	3 87	7 88	7 88	3 91			0		3 97	3 97	1 98	7 98		1 98		3 99
	/s × ×	4	.0 54	0 54	4		0 54	-	3 57	7 66	68	7 68		7 76.	3 77	-	3 83	3 87	7 88		3 91.	o	3 95	96 0	0	_	3 97	7 98	7 98.	7 98	7 98	3 66	3 99
	AI *	3 45	24	~	.0 54	95 0	8	•0 26			.0 68	7 68	.0 74	7 76	3 77	96 0.	.3 83	.3 87	.7 88	7 88	3 91		.3 95	6	.7 96.		3 97.	7 98	7 98				7 99.
	٨١ ٪		54		54	5	.0 54	0 56	3	.7 66			0.	.7 76	.3 77	78	83	3 87	88				5	9	96		.3 97		1 98		œ		. 4 88
	λi -		.0 54	5	.0 54			.0 56	.3 57	.7 66	9	.7 68	\$.7 76	.3 77			.3 87	.7 88	8	.3 91		3	96 0.	0	_					. 7 98		. 7 98
WILES)	۲۱ ۱	-	.0 54	.0 54	.0 54		.0 54	.0 56	5	.7 66	.0 68	.7 68	•0 74	1	.3 77	~	.3 83	-	.7 88	.7 88	.3 91	.7 94		96	.7 96	.3 97	0	-	.7 98		.7 98		.7 98
VISIBILITY (STATUTE MILES	٧١ ٪٢	10)	. 5	0	•	.0 5	•	0	. 3 5	.7 6	9 0.	.7 6	0	.7 7	.3 77	.0.	.3 83	.3 87	•	. 7 88	.3 91	.7 9	693	•	.79	.3 97	.3 97		.79	.7 98		6 6.	.7 98
VISIBILIT	۸۱	4	.0 54	.0 54	4.0 54	.0 5	4.0 54	6.0 56	.3 5	.7 6	99 00	.7 6	0 74	.7 76	7.3 77	.0 7	.3 83	.3 8		.7 8	.3 91	6 4.	.3 95	6 0.	.7 96	60		.79	.7 98	6 4.	.7 98	6 4.	.7 98
	2% >	5.3 4		4.0 54	4.0 5		16	0.	7.3 57	6.7 66	8.0 68	0	4.0 74			1	3.3 83	යා	8 . 7 88	8.7 88	1.3 91	۲.	5.3 95	_	6.7 96	7.3 97	6.3	8.0 98	8.0 98	60.	0	6 0.	8.0 98
	AI	5.3 4	4.0	4.0 5	4.0 5	4.0 5	4.0 5	0.	7.3 5	6.7 6	8.0 6	8.7	4.0 7	1 1.9	7.3 7	7	3.3 8	7.3	8.0.8	8.0 8	0.7	0.4	6 2.5	4.7 9	5.3 9	6 0.9	6 0.9	6 1.9	6 1.9	6 1.9		6 1.	6.1 8
	4	•	0.4	54.0 5	54.0 5	54.0 5	54.0 5	56.0 5	57.3 5	66.7 6	68.0 6	68.7 6	74.0 7	76.7 7	77.3 7	78.0 7	82.7 8	86.0 8	84.7 8	86.7 8	8	0	2.	2.7	93.3 9	6 0.76	0.4	6 0.46	0.3	0.4	4.0		6 0.76
	\$ 61	• 3		3	.3		.3		. 7	0	. 7	. 7	•	74.0	74.7	.3	0		0.	0.	0			.3	0.	. 7	.7	1.		-	2.06	.7	1.
	9 AI				53.3				26.7	65.3	0.99	0.99	70.7	73.3	74.0	74.7	78.0	81.3	82.0	82.0	84.0	86.7	86.7	86.7	87.3	68.0	88.0	68.0	88.0	88.0	88.0	88.0	88.0
	5	40.7	47.3	-	47.3		47.3		50.0		55.3	55.3			62.0	62.7		2.99	67.3	67.3	68.0	69.3	66.3	69.3	69.3	69.3	69.3	69.3	66.3	69.3	69.3	69.3	69.3
CEILING	(FEET)	NO CEILING	Y 20000	N 18000	≥ 16000		≥ 12000	V 10000		0008 4	≥ 7000	0009 AI			× 4000		> 3000	≥ 2500	> 2000	N 1800		1200	1000	00 AI			009 3	200	۲ 400	300		901	

TOTAL NUMBER OF OBSERVATIONS

150

1111

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

(FROM MOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

21 HOURS (1 S T) APR

=

CEILING							VIS.	VISIBILITY (STATUTE	ATUTE MILES)	ES)						
(FEET)	V 70	9 A1	N AI	4	e vi	≥ 2%	7 1	V1 %1	¥1 VI	- AI	% Al	*	% Al	2 5/16	AI	N N
NO CEILING			53.3	m	3	m	53.3	3.	3	643	3	3.	3	3	3	
₹ 20000				0		58.0	58.0	58.0	58.0	58.0			58.0			
			58.0		8	58.0	8	8		8	8	8.	8	8	8	
≥ 16000	50.0		*		58.0		58.0			58.0	58.0	58.0	58.0	58.0	58.0	*
			58.7	500		58.7		8	8	0	8			8	8	
7 12000				0		6	59.3		59.3			6	6	6	6	
1			-	-	-				-	1	-	-		:	-	
000			62.0	~		62.7	62.7	2	62.7				2	62.7	3	2
				00	03				03	œ	0	8		00	8	8
100	57.3		69.3	70.0	70.0	0	70.0	70.07	70.0	70.0	70.0	70.0	0	70.0	70.0	0
1				2			3	2.		2.	2	2.	2.	2	2.	2.
2000			75.3	0		.0	76.0				0				.0	
				0			8	8	00		00			8	8	80
007	65.3				82.7	2	82.7	82.7		82.7	82.7	82.7	2	2	2	
				4				3		4	*	*				;
3000	67.3	84.0	85.3		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3				87.3
2500				89.3	1.06	0	0	0	0	0	0	0				
7 2000	68.7		88.7			2	92.0						2	2	2.	
1800	68.7		88.7				2.	0.26	2	2	2	2.	2.	2.	2	
2 200	69.3		0.06			93.3	93.3		3.		•	63.3				
1200	70.0		92.0	93.3	95.3	95.3		95.3		6.86	3	65.3	62.3	95.3	95.3	95.3
1000	70.0		N		3	5	95.3	•			•	•	3	95.3	3	
906	70.0		2			0.96		0	0			9			0	0.96
008 Al	20.0		65.7		2.96	9	96.7	1.96					0	1.96		
700	0.0		63.3		-	67.3	-	97.3		81.3	61.3	-	97.3	61.3	-	97.3
00	70.0		0.46			100	98.0	8	98.0		8	98.0	8	98.0	98.0	
	70.0				98.0	98.0		8	8		0.86	0.86	20	98.0		98.0
VI 400	20.0		1.56	. 9		00	*	1.86	98.7	7.86		8	98.7		98.7	7.86
	70.0			6.96		98.7	8		98.7	98.7	7.86			98.7		99.3
700	10.0	1.3	64.7	•	98.7	98.7	7.86	98.7		98.7			48.7	98.7	99.3	99.3
81	10.0	611.3	2.46		8	98.7	98.7	8	48.7	48.7	1.86		86.3	66.3	00001	0001
									2		•		0	1	-	

TOTAL NUMBER OF OBSERVATIONS

150

1000

1200

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CLENVIEW

APR

4800

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		4	3	m	m	-	-	80	~	60	4	4	7	-	2	8	6	3	~	3	-	2	*	m	7	7	8	9	0	3	1	6	0
	٨١	47.	53	53.	53.	53.	54.	57	58	64.	.99		70.	73.		76.	80.	83.		87.			94.	-	96	97.	97.	98.	98.	66	66	99.	00
	2	4.	.3	3	6		7	8		8		4	.1	7.	2	83	6		1	m	7	2	4	.3	.2	2	8	9.	6	2	*	9.	9
	ΑI		53		53		54	57	58		99		70							87		43			96							66	66
	5/16		•	•			-	a	.2		4.	•			•		.3				•	.2			•		•		6.		-	• 3	. 3
	۷I		53	53	53	53		57		79	9		70													97		98	98	66	66	66	66
	% Al		3	3		3	4			64.8			70.7	3.	5			3	•	-	-	3	*	2	9	1	1.		98.8	00	6	88.5	6
	*		3.	3.	53.3		*			8.49		•			2		0	3		87.3	-			5	•	7	-	8	8.86	•	6	0.66	6
	% AI	1.	3.	3.				-	8	*	9	-	0	3	3	9	0	3		1	-	3	4	5	•	7.	1	8	63	8	6	0.6	6
		_			5	5	7	-	2	9	4.	_	7	-									4.	3	.2	_	9.		6 9.	6	. 7	7	7 9
ES	Al		(1302cM)	53			54	1000				-	70	3	5		0	3		2			4	5	•		-	Œ	8		œ	6	-
E MIL	7.			•	.3			•	•	•	4.		1.1				.3	•				-			•		•	•	.3		.3	.3	.3
TATU	ΑI	4	3	2		9	5		3	9	•	0	1	1	7		co	œ	00	00	9	0	0	0	0	0	0	6	3	6	0	98	0
VISIBILITY (STATUTE MILES)	VI %	-	3		3	3	54.1	7.	58.2		66.4		70.7		5		80.3		9		-:	93.0	*	5.			•	•	98.2		•	98.3	8
VIS	7	7	3	3.	13.3	3.	0.49			. 4		-		3	3	.0	10.5		9	3.18		2.			9.5	.9	.9	1.	8.4	7.	-	4.6	1.9
-				2	2	5		-	0	1		3	4	00		0		0		-	5	5 9			0		6	•		_	8	6	80
	Y 2%		53	53	23	53	53	57.	58	64.		67	0	72.	14.	76.	19.	82	90	86				94.	6.2	0.50		96	96	96	96	96	
	е .		0.5	7 . 1	7.5	•	8.8	.5			7:		2.0				.5		•	2.5				•	-:		•		1.	1.1	. 7	. 1	-
	ΛI	4	S	~	5	5	53	57	S	9		0	-	-	1	-		00	œ	æ	æ	0	0		0	6		0		o.	6	95	0
	VI	7.	2.	52.8	2.	53.1	53.5	57.2			65.6	0	69.5				8	-	. 5	84.7	8	80.8		•	-	92.5	5.	93.1		93.3	3	93.3	0
	5									3.4																						6.0	
	٨١	_	-		-					9 6					-						-									6 4	_	06 4	_
	۸I	46.	51.	51.	51.	51.	52.	55.	55.	61.	63	54	66.	68.	70.	72	74.	77.	19.6	80.	83.	84.	85.	85.	85.	86.	86.3	86.4	85.6	86.4	86.	86.4	86.4
	2		4.44				45.1			52.5												8.99					61.5		6.7.5		61.5	61.5	
٥		SNG	8	8	8	2	8	2	8	2	2	9	2	9	2	9	8	2	8	8					008		009	200		300		8	\dashv
CEILING		NO CEILING	7 200		N 16000		12000	1	000 AI		7000		200		4000		3000		× 2000		> 1500	2 1200	٧١		٨١		۷۱		۷۱ 4		٨١	AI	
		_				_		_	-	_	-	_		_		_				_										-			_

5222

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS)

0.0 MAH

87.1 89.0 91.6 9116 49.89 0.69 75.5 79.4 79.4 81.9 86.5 89.7 91.0 91.6 91.6 92.3 2.96 95.5 1.96 78.1 84.5 2.46 96.8100.0 60.7 61.9 61.3 78.1 ٨١ 87.1 89.0 9116 91.6 016 9106 4.89 91.6 19.4 2.46 2.46 0.69 75.5 86.5 95.5 78.1 78.1 81.9 84.5 92.3 6.26 79.4 1.96 61.3 610 89.7 60.7 60.7 91.6 91.6 19.4 89.0 91.0 91.6 91.6 0.69 78.1 19.4 87.1 61.3 75.5 86.5 92.3 6.26 34.2 94.2 61.9 61.9 81.9 4.89 84.5 60.7 89.7 95.5 95.5 95.5 60.7 78.1 5/16 4.64 89.0 91.6 91.6 91.0 65.6 91.6 2.46 61.3 0.69 75.5 86.5 2.46 78.1 4.89 78.1 81.9 87.1 6.26 78.4 84.5 89.7 60.7 50.7 ٨I 91.6 91.6 0.69 61.3 78.1 89.0 89.7 79.4 4.64 91.0 6119 75.5 81.9 9116 92.3 2.46 60.7 4.89 84.5 86.5 87.1 91.6 65.6 8.76 78.1 2.46 60.7 91.6 91.6 91.6 61.9 91.6 91.0 91.0 92.3 66.7 61.3 61.3 61.3 61.3 75.5 86.5 88.4 88.4 89.0 89.0 89.7 89.7 6.26 34.2 8.46 8.46 4.89 0.69 0.69 78.1 92.9 94.2 94.2 60.7 4.64 79.4 84.5 86.5 87.1 87.1 78.1 81.9 60.7 600 AI 9116 91.6 91.6 91.6 2.46 61.3 61.9 61.9 61.9 84.5 2.09 75.5 81.9 91.6 92.3 86.5 60.7 78.1 19.4 78.1 79.4 92.9 ٨I VISIBILITY (STATUTE MILES) 0.68 91.0 4.61 91.0 75.5 78.1 4.61 81.9 84.5 85.8 91.0 94.2 0.69 0.69 80.3 92.3 65.6 6.26 94.2 2.09 60.7 91.0 91.0 78.1 91.0 79.4 85.8 0.68 91.0 91.0 2.46 75.5 19.4 91.6 6.26 2.46 60.7 78.1 78.1 81.9 84.5 6.06 92.3 93.6 60.7 86.9 11/2 ٨١ 0.16 90.3 85.3 93.6 0.09 77.4 90.3 6006 8.06 9.16 93.6 0.09 85.8 88.4 1.68 92.3 65.6 0.09 4.0 77.4 81.3 83.9 85.2 4.89 78.7 78.7 67.7 AI 67.7 80.3 91.6 78.7 1.68 1.68 0.68 0.68 91.6 4.89 77.4 83.9 016 92.3 92.3 17.4 81.3 85.2 87.1 91.6 74.8 84.5 89.7 61.3 78.7 87.7 89.0 89.7 89.7 0.09 0.09 87.7 87.7 89.0 89.7 89.7 00 AI 61.3 91.6 91.6 4.89 77.4 83.9 0.09 1.09 74.8 77.4 84.5 89.7 80.3 0.16 91.6 91.6 91.6 0.09 85.2 91.0 91.6 78.7 81.3 87.1 0.09 78.7 ۸I 68.4 77.4 833 85.8 86.3 0.68 77.4 84.5 88.4 0.16 0.09 0.09 0.09 0.09 89.0 74.8 78.7 78.7 80.7 91.0 91.0 61.3 61.3 36.5 87.1 90.3 67.7 88.4 89.7 91.0 60.7 Al 80.0 82.6 87.7 83.2 83.9 78.1 87.7 39.0 74.2 78.1 60.7 67.1 76.8 87.7 87.1 0.09 0.09 67.7 76.8 89.7 89.7 ٨I \$9.4 63.2 60.09 72.3 74.8 76.1 80.7 81.3 95.6 84.5 84.5 84.5 84.5 85.2 58.7 66.5 78.1 35.5 58.7 76.1 84.5 85.2 74.8 ٨١ 65.8 63.0 65.2 65.8 65.8 48.4 64.5 65.2 65.8 65.8 65.8 47.7 60.7 65.8 65.8 61.3 63.5 63.9 65.8 47.7 47.7 54.5 54.8 58.7 2.09 65.8 65.8 65.8 65.8 47.7 2 NO CEILING (FEET) ¥ 20000 18000 12000 900 900 80 8000 7000 5000 4500 3500 2000 1200 88 88 88 88 AI AI AI AI AI AI AI AI ALAI ALA AI AI AI AI ALAI ALAI AI AI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

155

3

71.6

71.6 72.3

71.6

71.6 71.6

72.3 76.1 78.1

72.3

72.3

71.6 71.6

9.29

61.3 61.9 61.9

52.9

51.6

43.9 47.1

12000

16000

58.1

56.1

57.4

47.7

000 000 000

AI AI

59.4 62.6 9.89 76.1 78.1

76.1

78.1 76.1

78.1

78.1

78.1

78.1 79.4

78.1

76.8 77.4 77.4

76.8

269.1 70.3 73.6

0.17 74.8

67.7

54.2 65.2

71.6 73.6

56.8 68.4

900

ALAI

67.1 70.3

65.2

64.5

53.6

8000 7000

AI AI

51.6

72.3 76.1

62.6

78.1 79.4

78.1

79.4

19.4

79.4

19.4

79.4

19.4 79.4

19.4 83.2

83.2

83.2

85.2 85.2 85.2

90.3 90.3

89.0 89.0 90.3

86.5

82.6

87.7

37.1

87.1

85.2

81.3

76.1 76.1

29.4

59.4

2500

ALAI

84.5 84.5 85.2

82.6

82.6

81.9

78.1

74.2

57.4 57.4

4500

AI AI

58,7

3000

AI AI

83.9

58.7 74.8 80.0

91.0 91.0 91.6 91.6

0.16

89.7

89.7

83.2 87.1

76.8

0.09 0.09

1500

AI AI

0:0

76.1

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

HOURS (L S T MAY MONTH 60

2

63.9 63.9 57.4 57.4 57.4 57.4 69.7 57.4 62.6 1 ۸۱ 57.4 57.4 57.4 69.7 57.4 57.4 62.6 62.6 62.6 62.6 62.6 6.69 2 5/16 57.4 57.4 1.69 1.69 57.4 57.4 57.4 .4 57.4 57.4 63.9 7 4. 4. 57.4 57.4 63.9 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 62.6 62.6

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		6 0 60	וני וני
(\$)	-	53.6	57.4
ATUTE MILI	7 7	53.6	57.4
VISIBILITY (STATUTE MILES)	71	53.6	57.4
VISI	1 2	53.6	57.4
	≥ 2%	9 52.9	56.00
	_	0 0	no or

	ĀI	53	50.50	57
(2)	- AI	0 4	57.4	4.
TOTE MIL	VI 71	7.6	57.4	4.1
VISIBILITY (STATUTE MILES)	VI %1	53.6	57.4	57.4
VISI	N N	0 4	57.4	4
	≥ 2%	52.9	20°00	56.8
	e Al	0 0	9.00	8.9
	4	500	56.1	56.1
	۶۰ ۸۱	0.6	52.9	5.0
	9		60	9.
	5 7	9.6	00	5

NO CEILING

× 20000

CEILING (FEET)

	AI	53	57
	*	53.6	57.4
ES)	-	52.9 52.9 53.6 53.6 53.6 53.6 53.6 53.6 53.6 53	57.4
VISIBILITY (STATUTE MILES)	VI 2.	53.6	57.4
BILITY (ST.	71 %	53.6	57.4
NISI	71	53.6	57.4
	2 2%	52.9	56.8
	e Al	52.9	56.8
		-	-

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93.6

93.6

92.3 92.3 93.6

8.46 8.76

93.6

92.3 93.6 93.6

92.9

65.6

90.3 91.6 9

91.6

88.4

84.5

1.09 60.7

900

ALAI

92.3

0.68

85.2 85.2 86.5

78.1

78.1

60.7 60.7

88

ALAI

0

78.7

0.08

6006

83.9 87.7

77.4 78.1 95.5

95.5 95.5

2.76

0.16

86.5

94.8 96.1

8.76

91.0

86.5

78.7

2.09

60.7 60.7

300

ALA

60.7

88

0

8.46

91.0

78.7 86.5

36.5

8.46

94.8

8.46

93.6

93.6

80.3

86.5

78.7

60.7

93.6 94.8

93.0 34.5

8006

86.5

78.7 78.7

60.7

88

ALAI

8.76

93.6

93.6

90.3

1.96 96.1

1.96

94.8

94.8 8.46

91.0

0

5

86.5

78.7

60.7

80

AI AI

0

78.7 78.7

60.7

96.1

1.96

96.1 96.1

TOTAL NUMBER OF OBSERVATIONS

155

78.1

79.4

83.2 87.1 88.4

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME GLENVIEW, ILLINOIS

IAY HONTH

0.0 T S T .

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77.4 77.4 80.0 80.0 83.2 91.6 93.6 0.68 73.6 74.8 91.6 91.6 91.6 34.5 6.26 87.1 38.4 75.5 78.1 67.7 79.4 58.7 60.7 ٨١ 82.6 88.4 91.0 91.0 91.0 76.8 19.4 86.5 91.0 58.1 0.09 65.2 77.4 78.7 92.9 8. 56 72.9 93.6 95.5 58.1 58.1 67.1 74.2 14.8 87.7 92.3 58.1 2 5/16 4.64 91.0 93.6 88.4 91.0 92.3 92.9 95.5 58.1 65.2 74.2 78.7 82.6 72.9 14.8 76.8 77.4 86.5 87.7 91.0 8.46 58.1 58.1 0.09 67.1 91.0 ٨١ 58.1 12.9 8.9/ 81.9 85.8 8006 6.06 80.3 91.6 6.26 65.2 67.1 8.4/ 78.1 6.06 58.1 0.09 74.2 87.1 92.3 34.5 8.76 78.7 58.1 76.1 87.7 58.1 91.6 2.96 72.9 74.2 14.8 76.1 78.1 78.7 6.18 85.8 90.3 90.3 60.3 6.06 65.3 94.8 58.1 58.1 76.8 87.1 92.9 58.1 60.0 67.1 65.2 87.7 ٨I 72.9 74.8 83.9 84.5 86.5 89.0 89.7 89.7 90.3 8006 92.3 58.1 60.0 60.0 60.09 65.2 65.2 67.1 74.2 76.1 76.8 81.9 81.9 81.9 85.8 87.1 6.06 91.0 91.0 91.6 6.26 34.5 58.1 58.1 58.1 58.1 58.1 78.1 78.7 87.7 89.7 89.7 90.3 92.9 93.6 93.6 94.8 58.1 58.1 AI VISIBILITY (STATUTE MILES) 85.8 1.68 86.5 87.1 92.3 92.9 92.9 74.2 74.2 78.1 91.6 92.3 92.3 76.1 74.8 76.8 78.7 1.68 67.1 72.9 72.9 65.2 67.1 76.1 78.1 58.1 74.8 76.8 91.6 85.8 86.3 89.7 78.7 87.1 71 89.0 58.1 72.3 85.2 0.68 0.16 58.1 56.1 57.4 60.0 6.99 71.0 73.6 81.3 86.5 0.68 9.16 58.1 04.3 76.1 8.06 58.1 75.5 77.4 78.1 85.8 71.6 74.2 ۸۱ 13.6 74.8 62.6 72.9 36.5 63.9 69.7 75.5 86.5 0.68 83.9 54.8 56.1 87.7 77.4 78.7 81.9 81.9 83.2 86.5 52.9 54.8 54.8 56.1 89.7 ≥ 2½ 54.8 85.8 54.8 34.5 72.3 73.6 81.3 82.6 82.6 83.9 84.5 62.6 70.3 74.2 84.5 71.6 66.5 68.4 68.4 86.5 36.5 87.7 60. 87.1 69.7 ۳ ۸۱ 62.6 52.9 54.8 77.4 85.2 71.6 72.3 73.6 74.2 81.3 85.2 70.3 51.0 83.9 54.8 83.9 54.2 56.1 69.7 85.2 60.7 ۸۱ 71.0 52.9 0.69 80.0 0.08 80.0 71.6 74.8 80.0 67.7 61. 0.65 77.4 78.7 52.9 67.7 78.1 81.3 81.3 81.3 58.7 69.7 81.3 60.7 ۸Ι 0.65 74.8 0.65 54.5 72.3 3.6 74.8 74.8 61.9 65.2 1.69 8.74 56.1 63.5 63.2 66.5 67.1 74.8 74.8 14.8 74.8 74.8 38.7 50.3 64.5 51.0 52.3 0.64 48.4 49.7 51.6 38.7 40.7 50.3 52.3 52.3 52.3 38.7 41.9 52.3 52.3 52.3 52.3 52.3 38.7 47.7 1.65 38.7 47.1 47.7 49.7 2

TOTAL NUMBER OF OBSERVATIONS

8.06

98.5

93.6

65.6

81.3

81.3

52.3 52.3

80

ALAI

81.3

74.8 14.8 74.8

52.3

88

AI AI

81.3

74.8

52.3

85.5

93.6

65.6

95.5

155

91.6

91.6

91.6

SMOS DIRNAVOCEANMET

14855

NO CEILING

¥ 20000

CEILING (FEET)

18000

12000

AI AI

0000

8

AI AI

8000 7000

AI AI

2000

ALAI

4500

AI AI

3500

AI AI

2000

ALAI

1800

AI AI

900

ALAI

88

ALAI

88

ALAI

88

AI AI

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAM

0.9 HOURS (1.5.7.)

200

CEILING							VISI	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	9 11	۶۰ ۸۱	*	N AI	2 2%	7 1	V 1%	71 7	Ā	% AI	*	Z AI	≥ 5/16	VI 3	٥
NO CEILING	9		48.4	6		0	6	6	6	6	6	6	6	6	6	
> 20000						613	53.6	-		10	3	3.	3	3.		
	0				3	(4)			3	3	3	3.	3	33	6	
14000	40.7			53.6	53.6	3	53.6	53.6		3	53.6	3		3	3	53.6
	0				3	3.	3	3			3	3			3	
12000				5		5		5	5	5	5	3	3	5	3	
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000	(5)			ċ	0	0		0	0	0	0	ò	0	·	0	
1	7			4	4	4	4.	*	*	4	;	4	*	4	*	*
141	48.4				60.9	67.1	67.1	-		-	67.1	-	-	-		-
1	30				0		-	-	-	-	-	-	-			
2000				1	•	8		8		8	4.89	8				
1	30				7.	00	8	00	8		8	8	8	80	8	
1 41				0	0		•	-	-	-	-	-	-:	-	-	-
	1			2	2.	20		3	100			3	3	3	3	3
3000	54.2	67.7	72.9	78.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	.9	76.1	76.1	76.1	
	0				-	-	1.	-	-	-	-	-	-	-	-	-
200	0			-	-	-	10	6	*	100				3.	3	3
1	0				3				3	3	*	3	3		3	3
1500	-					.0		.0	.9	9	•		0	. 9		•
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1 1	-			87.7	89.0	0	0	0	0	0	-	-	-	-	-	
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8	-	79.4			80.3	N	92.3	2		2	2	2	2	2	2	
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141	-	79.4		:	91.0	15	•	;	8.46			•	1.96	96.8		
	-				91.0	103		4		9	9	. 9	9			
8 1 A I	6119	79.4		87.7	91.0	93.6	5			8.96	1.	97.4		100.0		0.00
				87.7	•	100	93.6	65.5	95.5		•		14.66	100.0	100.001	
٥	-	79.4		-	-			5	10	9	4.76			0	0	0

TOTAL NUMBER OF OBSERVATIONS

155

1800

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

73-77

12 HOURS (1 S T.) MAY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	[5]						
(FEET)	5	۰ ۸۱	\$ 1	4	N AI	≥ 2%	N N	VI 74	¥1 ×1	- AI	% AI	*	% AI	≥ 5/16	× Al	0 11
NO CEILING		43.2	:		3	33	m	3.	3.	*	3	3.	3	5	3.	43.9
> 20000		0.65	:	49.7	0	50.3		0	0	0	50.3		0	50.3	0	50.3
		0.65	-	49.7	0	0	ò	0	•	0	0	0	0	.0	0	50.3
2 16000	0	0.65		49.7	50.3	50.3	50.3		0	50.3	0	0			50.3	50.3
		0.65	-	40.7	0		0	0		0	0	0	0	0	0	50.3
2 12000	-	49.7	50.3	51.0		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	-	51.6
	-	56.8	~	Course.	6	0	0	0	0	0	0	0		0	.0	0.09
0006 AI	-	56.8	58.1	58.7	89.4	0.09	0.09	0.09		0.09	0	0		0.09	0.09	0.09
	:	0.09	:	6.19					3		63.2	3			63.2	63.2
7000	-	2.09	61.9	62.6	63.2	63.9	63.9	3	•	63.6	3			3	3	63.9
Í	-	4.09				3	3.	63.9	0	63.9	63.9	3	63.9	3.	3	63.9
2000	•	61.3	•		63.9	64.5	64.5		64.5	*	*			64.5	64.5	64.5
1		63.9		65.8	9		1.		1	-	67.1	67.1				67.1
141	:	67.1		4.69	0	71.6	-	71.6	71.6	71.6	71.6	-	71.6	-	71.6	
	•	72.9	:	75.5		-	•	-		1						77.4
3000	•	77.4			-	83.2	83.2	83.8	83.2						3	83.2
		19.4	•	82.6		.0	.9			86.5	86.5	86.5	.0	86.3	86.5	86.5
7 2000		80.7		83.9	3	87.7	87.7	87.7	87.7	-	87.7	-	7	-		87.7
	:	81.3			•	88.4		88.4		00	88.4		00		88.4	
> 1500	64.5	81.3	83.2	85.2				1	0.68	0.68		89.0	89.0	89.0		89.0
		82.6	:	86.5	8.		6.06	6.06	0				0	0		
0001		35.6	:			-	91.0		•	-	0.16		-		0116	
		83.2	:	87.1	6	91.6	91.6	91.6	91.6	91.6	91.0		91.6	91.6	91.6	91.6
08 AI		83.2	:	87.1	0	2.		3	•		93.0	3	3	3		
		83.9	:			93.6		94.2	2.56		2.46	;	4	+	2006	34.5
8		63.6		87.7	÷	•	*	;			34.5	34.5		34.5		34.5
			:	83.4			8.96		•		96.8	8.96	0	9	9	
94		63.9	:	88.4	-	96.1		8.96	8.96	4.16	4.10		4.16	4.76	97.4	
		100	86.3	89.0			4.16				1.86	48.7	68.7	98.7	48.7	98.7
700			:	0.68	N	9				4.66	0000	00.00	0.00		00.00	
81			86.5	89.0	95.3	96.8	4.16	98.1	98.1		0.00	00.00	00.00	0000	0000	0.00
٨١		00	:		2.	6.		8			0	0	0	0	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

元を

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINDIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.5 HOURS (LST)

0000

MAM

	٨١	-0	6.		6	-	80 0	0 4	5	5.8	5	8.4	2.3								12.9				5.5			9.6		0	
	× 1	41.3 4			6		200	•	65.2	5	67.1 6	8	2		4.5	8		7.1	1.6	9.	3	94.8	4.8	8	5.5	4		6 4.66	0	0	00.00
	≥ 5/16	41.3	0.6	0.6	1.6	9.1	58.1		65.2	5.8	67.1	4.89	2.3	8.7	4.5	85.8	6.9	7.1	1.6	1.6	5.9	8.96	4.8	4 . 8	5.5	7.4	8.7	4.66	0.	0.0	00.00
	Z Al	41.3	0	6	6		58.1	2 4	65.2	5		4.89			84.5	5	86.5	87.1	6	91.6	5	. 4				4.16		4.66	0	0	100001
VISIBILITY (STATUTE MILES)	₩ Al	41.3	6		49.7		58.1	0 4	65.2	5		68.4	2.			85.8		87.1		-	5.		. 4	*	95.5				6	4.66	40.6
	% Al	41.3	6		6	21.6	58.1	, A		65.		68.	-	78.				87.1		91.6	2.	94.8	•	94.8	95.5	÷		98.7		99.4	4.66
	<u></u>	41.3	6	0.65	6	51.6	50	V 4	65.2	6.8	67.1	68.	~	78.	84.5	85.8	00	87.1	80	91.6		8.76	8.46	8.46	95.5	8.96	98.1	98.7		9.66	
	YI 7.1	41.3		49.0	•	51.6	58.1		65.2	15	67.1	68.	1	78		5			6	91.6	92.9	94.8	8.46	94.8	10	0		98.1		98.7	1.96
	۷۱ ۷۷	41.3		0.64		51.6	58.	0	65.0		-	8		3	84.5	5	86.5	87.1	•	91.6	95.9	8.46	94.8	8.46	95.5		96.8	97.4	98.1	98.1	98.1
VIS	7	41.3	6	0.65	•	51.6		•	7.00	10	67.1	00			84.5	5	86.5	-	89.7		92.9	*		94.8			96.8	96.8	0	•	96.8
	≥ 2%	41.3	c.		0	51.6		0 4	65.2	5	67.1		-		84.5	85.8	86.5		89.0	91.0	U.	94.2	*	94.2		5	5	95.5	95.5	•	95.5
	e vi	41.3	6	49.0		21.6	36.	1000	25.5	65.8	67.1	68.4	72.3	78.7	84.5	85.8	•	87.1	89.0	91.0	65.3	94.2	2.46	94.2	94.8	95.5	95.5	95.5	3	95.5	3
	AI	40.7	8	48.4	0.65	51.0		2000	63.0	4	65.8		71.0	77.4	63.2	84.5	85.2	85.8	86.5	88.4	6	91.6		91.6	92.3	92.3	92.3	92.3	92.3	92.3	2
	\$6 Al	40.7	48	3	64	21.	36	1		64.	0	67.	-	77.	00	84.	50	\$ 2	00		a	0		0	0	0	0		91.	91.	91.6
	9 Al	40.7	48.4	48.4	0.65	50.3	56.1	20.00	63.5	63.9	64.5	65.8	0.69	74.2	80.0	80.7	81.3	81.9	82.6	83.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	2	35.5				43.2	47.1		52.9		52.9	54.5	57.4	61.3	66.5	67.1	67.1	67.1	67.1	67.7	68.4	4.89	68.4	68.4	4.89	4.89	68.4	68.4	68.4	4.89	
CEILING (FEET)		NO CEILING	7 18000		≥ 14000		0000		0 00 0 00 0 00 0 00	1	2000		≥ 4000		3000		1 2000		N 1500		1 71		8		8	800	8		300	8	

TOTAL NUMBER OF OBSERVATIONS

888

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINUIS

7

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 18

1000

TOTAL NUMBER OF OBSERVATIONS

9 8

0000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

21 HOURS (LST.)

2 20

MAY MONTH

٨١ ¥ = 1

7

1 2%

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CEILING (FEET)

VISIBILITY (STATUTE MILES)

٨١ 90.96

56.8 56.8 \$1.4 56.8 56.8 57.4 56.8 58.7

56.8

56.8 56.8

56.8

56.8

AI

2 5/16

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Al

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80.95 50.8 57.4 63.9 56.8 58.7 63.9 58.7

57.4 57.4 63.9 63.9 56.8 58.7 1.19 63.9 4.89 58.7 63.6 69.7 67.1 4.89 1.60 63.9

63.9

63.6

63.9

6.69

67.1 68.4 69.7

67.1

65.2 66.5 67.1 67.1

57.4

67.7 68.4

63.9 63.9 63.9 67.1 67.1

58.7

58.7 63.9 63.9

58.7

58.7 63.9 63.9

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6:19 61.9

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W W W

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NO CEILING

7 20000

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57.4 58.7

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57.4 58.7

67.1

48.4 68.4 68.4 68.4

63.9

63.6

58.7 57.4

63.6

4.89 72.3 75.5 67.1 69.7 67.1 4.89 72.3 75.5 4.64 69.7 72.3 79.4 75.5

72.3 75.5

79.4

80.7 82.6 63.9

30.0 81.9

80.0

80.0

80.0 81.9

30.0 81.9

0.08

80.0

80.0

19.4

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61.9

80.7 81.9 84.5

78.7

65.8

3000

80.0 80.0

81.9

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4500 4000

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72.3 72.3

72.3

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72.3 15.5

72.3

72.3

69.7 71.6

59.4

2000

ALAI

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69.7 69.7

69.7

82.6 80.7 19.4 87.1 80.7 83.9 82.6 87.1 82.6 87.1 87.1 83.9 80.7

83.9 87.1 89.7 89.0 1.68 88.4 89.0

86.5

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83.2

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83.2 86.5

83.2 86.5

83.2 86.5

83.2

83.2

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83.2

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86.3 98.4

> 86.5 88.4

84.5

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85.2

80.7

66.5

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AI AI

86.5

85.8 85.8

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19.4

66.5 66.5

2500

AI AI

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86.5

86.5 86.5

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4.88

87.1 87.1

0.16 91.0 90.3 91.0

89.0 87.1 89.7

89.0

89.7

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91.0

91.0 91.0

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91.0

90.3 90.3

90.3

7.68 7.68

6.06

8.06

4.68

89.7

89.7 89.7

6.06 6.06

90.3

1.68

89.7

89.7

89.7 89.7

0.68

81.3 86.5 81.3 85.8

67.1

88

AI AI

67.1

89.0

88.4 89.0 69.0

91.0 9116 92.3 92.9

91.6 91.0 91.0 91.0 92.3

9116 92.3 92.3 93.6 6.26

91.6

91.6

91.0 91.6

0.16

0.16 91.6

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60.3

87.1 81.9 87.7

91.6 9116

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91.6 6.76 92.3

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81.9 87.7

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92.3

65.6 65.6

91.6 92.3

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81.9 6.18

81.9

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88

AI AI

67.1

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AI AI

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016

90.3 91.0 9116

90.3 90.3

90.3 90.3

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67.1

67.1 67.1

88

AI AI

67.1

88

ALAI

86.5 89.7

0.68

86.5

67.1

93.6 93.6

94.8

1000

8.46

93.6

155

TOTAL NUMBER OF OBSERVATIONS

93.6

6.26

92.3

91.6

88.4

8

67.1

91.6

88.4

67.1 67.1

80

AI AI

6.26

SMOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

73-

73-77

MAY MONTH ALL ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

1240

100

9.0 0.80 0.80 0.86

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (LST) SOLTHON THOM 00

3010

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5 7	۰ ۸۱	S) Al	1	ε Al	≥ 2%	1 2	¥1 ¥	VI 7.1	_ 	71	≱* ∧I	Z AI	≥ 5/16	VI N	٨١
NO CEILING		57.3	0.09	61.3	62.7		62.7	62.7		10	3	63.3	63.3	3.		
≥ 20000	55.3	-	0.49	0.99	67.3	67.3	67.3	67.3	68.0	68.0		•		•	•	0.89
				0.99	67.3	67.3		67.3	00	68.0	68.0	0.89	68.0	68.0	68.0	68.
2 16000	55.3	-	0.49	0.99	67.3	67.3	67.3	67.3		•	8	*	8		•	68.0
		-	0.49	0.99	67.3	67.3	67.3	67.3	8		00		8			
12000	58.3	-	0.49	0.99	67.3	67.3	67.3	67.3	58.0	68.0		68.0	0.89		68.0	8
1	0.09		70.7	72.7	74.0	0.4	. 4	74.7	3				5		3	75.
000	0.09	00	70.7	72.7	74.0	74.0	74.0	74.7	75.3	75.3	3	75.3	75.3	75.3	75.3	75.
	62.7	2	75.3	77.3	78.7	78.7			0	0	0	0	0	0	0	
7000	64.7		78.0	80.0	81.3	81.3		82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.
1		n.		0	81.3	-	81.3	2	3			82.7	82.7		2	
2000	68.7	80.0	82.7	84.7		86.0	86.0	86.7	87.3	87.3				87.3	87.3	87.
		2		86.7	8	60	8	8	5					6	6	
4000	70.7	10	86.7	88.7	0.06	2006	1.06	91.3	~	92.0	~	95.0	2	92.0		92.0
		4.	87.3	89.3	2.06		:	95.0	2			92.7	92.7			92.
3000		65.3	89.3	91.3	7.26	93.3	83.3	0.46	4.7	7.46	1.46			94.7	94.7	. 76
		100		91.3	92.7			0.46	*	4.7	1.46		1.46	24.7		. 76
≥ 2000	71.3	.0		92.7	0.46	4.7	4.7	95.3	•	0.96	0.96	0.96	.0	0.96	.0	0.96
		9	2.06	92.7		94.1	94.7	95.3	96.0			0.96	0.96	9	0	
≥ 1500		8	95.0	0.46	65.3	96.0	0.96	7.96	97.3	97.3	97.3	97.3	-	97.3	•	97.
1		0	95.0	0.46		0.96	0	96.7	6.79		97.3	97.3	97.3	97.3	97.3	97.
1 71		8	95.0	0.46	95.3	0.96		96.7	97.3	97.3	97.3	97.3	97.3	97.3	•	97.
			92.0	0.46	65.3	0.96	9	7.96		97.3	97.3	61.3	97.3	97.3	97.3	.16
800	72.0	88.0		0.46	95.3		•	1.96	97.3	97.3	61.6	97.3	6.16	97.3	97.3	97.
		8		*	0.96	7.96		8.79		98.0	0.86		00	98.0	98.0	98.
8	72.0			4.3	0.96	96.7		6.76	98.0	98.0		98.0	0.86	98.0	98.0	98.
-	1		A 10 M	60 1	100		1	1	-	4	20 00	4	100	200	200	2

TOTAL NUMBER OF OBSERVATIONS

150

1000

98.0 98.7 98.7100.0100.0

98.7100.0100.0

7.86

0.86

0.86

0.86 0.86

0.86 98.0

6.16 6.76

1.96 1.96

94.7 96.0

88.0 88.0

72.0

88

72.0

88

72.0

7.96 96.7

0.96

1. 76

92.7 92.7

72.0

80

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

NONTH NON

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

70.0 74.0 74.0 80.0 86.0 93.3 65.3 97.3 97.3 84.7 97.3 7.96 95.3 6.16 86.0 93.3 61.3 61.6 74.0 84.7 97.3 74.0 80.0 95.3 97.3 61.3 97.3 58.7 69.3 70.0 81.3 87.3 4006 7.46 4.96 97.3 68.7 48.7 ٨١ 0.98 70.0 74.0 74.0 80.0 87.3 6.16 69.3 67.3 78.7 93.3 95.3 97.3 97.3 97.3 1.06 94.7 68.7 81.3 84.7 95.3 7.96 6.46 97.3 97.3 68.7 98.7 2 5/16 69.3 0.47 86.0 1.06 6.76 70.0 65.3 61.3 6.16 61.3 74.0 81.3 87.3 93.3 95.3 61.3 97.3 80.0 84.7 7.96 6.16 61.3 7.86 7.86 7.86 68.7 68.7 78.7 1.46 69.7 2 ٨I 69.3 74.0 86.0 81.3 68.7 70.0 74.0 78.7 80.0 84.7 87.3 7.06 93.3 97.3 97.3 97.3 97.3 8.26 68.7 95.3 97.3 81.3 95.3 7.96 97.3 94.7 98.7 98.7 68. ٨١ 95.3 69.3 70.0 74.0 84.7 61.3 6.16 6.16 74.0 80.0 63.3 97.3 61.3 86.0 97.3 78.7 81.3 87.3 95.3 61.6 61.3 7.86 1.06 7.96 58.7 7.46 68 ٨١ 84.7 61.3 97.3 95.3 61.3 95.3 97.3 68.7 70.0 74.0 87.3 78.7 80.0 84.0 86.0 98.7 69.3 74.0 81.3 64.7 95.3 7.96 6.46 97.3 93.3 68.7 97.3 97.3 98.7 68.7 ۸۱ VISIBILITY (STATUTE MILES) 72.0 67.3 93.3 95.3 95.3 0.96 0.96 72.0 79.3 91.3 63.3 95.3 95.3 0.96 76.7 88.7 7.46 95.3 95.3 68.0 78.0 82.7 ½ 1. 1. 67.3 72.0 63.3 65.3 78.0 0.48 6.36 0.96 67.3 0.89 68.7 72.0 91.3 82.3 95.3 65.3 0.96 0.96 88.7 95.3 95.3 82.7 92.7 93.3 0.96 85.3 76.7 76.7 79.3 1.46 95.3 ٨١ 78.0 84.0 61.3 93.3 95.3 72.0 95.3 88.7 95.3 95.3 63.3 0.89 68.0 68.7 64.7 65.3 95.3 95.3 6.56 72.0 79.3 85.3 67.3 67.3 82.0 82.7 95.3 95.3 7 71.3 92.0 67.3 68.0 0.46 71.3 16.0 63 77.3 94.7 66.7 84.7 90.7 92.7 1.56 78.7 92.1 94.7 1.76 7.46 7.46 94.7 94.7 7.56 94. 94. .90 ۸۱ 1.99 70.0 65.3 70.0 74.1 76.0 80.7 82.0 83.3 0.06 95.0 77.3 86.7 92.7 0.49 88.7 7.06 92.1 7.26 92.7 92.7 0.99 1.06 92.7 92.7 87.3 61.3 16.0 85.3 73.3 82.0 79.3 91.3 91.3 91.3 91.3 0.49 0.49 64.7 65.3 68.7 68.7 74.7 83.7 89.3 7.06 91.3 61.3 61.3 611.3 91.3 80.7 89.3 91.3 ٨I 67.3 80.0 86.7 88.7 24.0 62.7 72.0 77.3 83.3 85.3 88.0 63.3 67.3 62.7 0.49 86.7 72.7 78.7 86.7 88.7 88.7 98.7 88.7 88.7 88.7 88.7 88.7 ٨I 62.0 70.0 76.0 80.0 82.0 82.7 84.0 72.0 82.7 62.7 94.0 84.0 84.0 0.99 82.7 0.40 0.99 70.7 74.7 77.3 84.0 0.49 84.0 84.0 84.0 0.48 61.3 84.0 61.3 61.3 84.0 ٨١ 68.7 58.7 53.3 53.3 24.0 0.09 0.09 65.3 69.3 56.7 63.3 66.7 68.7 68.3 69.3 69.3 69.3 69.3 69.3 56.7 68.7 69.3 69.3 69.3 24.7 60.7 64.7 69.3 69.3 2 ۸۱ NO CEILING (FEET) × 20000 18000 12000 9000 3500 2500 1800 1200 80 8000 5000 4500 88 88 8 6 200 AI ALAI ALAL ALAI ALAI ALAL ALAI ALAI ALA AI AI ALAI

130

TOTAL NUMBER OF OBSERVATIONS

48.88

SMOS DIRNAVOCEANMET

18130 24351

14855 STATION

NON

CEILING VERSUS VISIBILITY

73-77 GLENVIEW, ILLINDIS

0.6 HOURS (L S T)

STATION NAME	YEARS
PERCENTAGE FREQUENCY OF OCCURRENCE	IRRENCE
(FROM HOURLY OBSERVATIONS)	4S)

CELLING							2	AISIBIELLE (SI AIGIE	AIDIE MILES	(2)						
(FEET)	5 71	۸۱	S	4	N AI	2 2%	1 2	V1 %1	VI	71	% AI	*	۲۱ ۸۱	≥ 5/16	71	٨١
NO CEILING	3		1:		4	10	56.0	0	9	8	00	8			58.0	
₹ 20000	10		54.7		58.7	59.3		60.7	60.7	62.0	2.	2.			2.	
	50		54.7	58.0	58.7	56.3	.0			•		2.		2.	62.0	62.
1,5000	35.3	49.3	54.7	58.0	58.7	0	0.09	60.7	60.7	62.0		62.0	62.0	62.0		62.
	9		5	58.7	89.3	0.09	0			62.7	N.	2	2	2	62.7	62.
7 12000	0	52.0	57.3	60.7	61.3	62.0	62.7	63.3	63.3		64.7	4		*	64.7	. 40
	0		-	64.7	65.3	66.7	-	8	80	6	6	6	69.3	6	69.3	.69
000 A1	0		-	64.7	65.3	66.7	67.3	0.89	68.0	69.3	69.3			6.69	69.3	69
	3		9	70.7	2.		10	0			7.	77.3	•	7		77.
7000	44.0		68.0	72.0	74.0	75.3		77.3	77.3	78.7	5	6	79.3	. 6	79.3	19.
	1					16.1	78.0	00	8		80.7	80.7	0	80.7		80.
200	123				75.3	76.7	78.0	78.7	•	0	0	0	0	0	80.7	80.
	5		-			79.3		-:	-	82.7	83.3	83.3	83.3	83.3	83.3	83.
1 1	0		*		0	82.0	83.3	0.48		1673	0	•		•		86.
	C			79.3		63.3	34.7	85.3	85.3	86.7		87.3	87.3	87.3	87.3	87.
3000	0		75.3	80.0	2.	84.0			0	87.3	88.0		8	00	98.0	88
	-			81.3	84.7		87.3	•	38.0	89.3	0.06	0.06	90.0	0.06	0.06	0.06
2000	N				.0	87.3			6	0	:			-	-	91.
	N			82.7			88.7	89.3	89.3	40.7	91.3		-	91.3		91.
1500	-				87.3	88.7	0.06	1.06	40.7	92.0	92.7	92.7	2	2		92.
	a			84.0	87.3	88		40.7					2		92.7	92.
000	53.3		80.0		6	90.7	92.0		3.		94.7		+		1.56	94.
	100		0		89.3	1.06	•	92.7	92.7	0.46	1.56	4.7		64.7	24.7	
8	ce	-	80.0	84.7	89.3	90.7	92.0	92.7	•	0.46			*		4.1	
	100	-	80.7	85.3	0.06	91.3	92.7	93.3						95.3	95.3	95.
8	100	71.3	0		0.06	91.3	92.7	63.3	93.3	64.7	95.3		95.3	95.3	95.3	
	3		80.7	85.3		91.3	93.3	1.46		7.96	97.3	98.0	8	0.86	98.0	98.
8	m.	-	80.7	85.3	0.06	91.3		24.7	4.7	1.96	97.3				98.0	
	100	-	80.7	85.3		91.3	0.46	65.3	S	61.3	•	28.1		000	98.7	
700	53.3	71.3	80.7	5	0	-	0.46		5	:	8		0	•	8	66
	3.	71.3	:	85.3	0.06	91.3	0.46	62.3	95.3	97.3	0.86	66.3	66.3	80.3	66.3	100
٨١		-	80.7	5	0	-	. 4	3	3	-	٠ ش	6	•	0	•	000

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

7

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11.

104

JUN HONTH O 9 HOURS (1.5.T.)

210 26 25 24 23 24 23 21% 22 21% 21% 21% 21% 21% 22% 22% 22%	CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5)						
34.0 41.3 40.0 46.0 46.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48	(FEET)							1						100			٥
\$\(\frac{6}{0}\) \(\frac{6}\) \(\frac{6}{0}\) \(\frac{6}{0}\) \(\frac{6}{0}\) \(\frac	NO CEILING	34.			8	8	00	8	30	8	8	8	8		80	8	
18000 40.0 50.0 56.0 58.0	≥ 20000	0.0			ď.	8	00			8	8	*	8		8	8	
10000 40.0 50.0 56.0 58.0					0	3	80	8	8		8		00		00	8	
110000		•		•	00	6	3	8	*	•	8	3	8.	8	00	8	
13000 46.0 50.0 56.0 56.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58					æ	00	00			8	00	00	8			0	
10000 42 7 54-0 60-7 62-7					0	8	00		æ	æ		8	8	8	50	8	
9000 42.7 54.0 60.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62	-							2.	2	~	2.		2	7	2.	~	
48.0 62.7 67.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69						3.	2	5.	~	3	2	3	5	2.	3	~	
48.0 62.7 68.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 7					0	6	0	0		6	6	6	6	6	6	6	
48.0 62.7 69.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71					0		0	.0	0		0	0	0	0	0	0	
46.7 63.3 70.0 72.0 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th>-</th><th>-</th><th>-</th><th></th><th>-</th><th>-</th><th>-</th></th<>									-		-	-	-		-	-	-
45.00 45.3 64.7 71.3 73.3 73.3 73.3 73.3 73.3 73.3 73							2	•	d		?	2	2.		2.	2	~
20. 7 50. 7 75.3 <	1						3				33	3	3		1	6	3
3500 54.0 70.0 77.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3				•		•	5		5		5	3	5		5	3	
3000 54.7 70.7 76.0 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3	1						0	6	6		0	6	6	6	6		6
2500 56.0 72.7 80.0 83.3 83.3 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7					-	-	-	-	-	-	-	-	-	-	-	-	:
2000 59.3 76.0 83.3 86.7 86.7 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88							3	*	3	4	*	4	*		4	*	
1800 59-3 76-7 34-0 87-3 87-3 88-7 88-7 88-7 88-7 88-7 88-7					0		8	8	œ	*	00	8	8	00	00	8	
1500 661.3 78.7 86.0 90.0 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3					-	2	8		80	00	8		8	8	00	8	
1200 61.3 79.3 87.3 91.3 91.3 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7					ċ	0	-	-	-	-	-	-	-	-:	-	-	
1000 61.3 79.3 87.3 92.0 92.0 94.7 94.7 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3					-	-	~		2.	2	2.			2.		2.	
\$\corr \text{61.3}\$ \$\corr \corr				•		2	•	4	3	3	•	2	3	2	6	2	95.3
600 61.3 80.0 88.0 92.7 93.3 95.3 95.3 95.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96					2	2			0	0	9	9	9	5	9	9	
500 61.3 80.0 88.0 92.7 93.3 96.0 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3		-			2	2	00	5	9	9	9		. 9	.0			
600 61.3 80.0 88.0 92.7 93.3 96.0 96.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98		-			~	3.	.0	0	-	-	-			-	-	-	
500 61.3 80.0 88.0 92.7 93.3 96.0 96.0 98.0 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7		-	0		2	3	0	9	-	-	8	*	8	B		8	
400 61.3 80.0 88.0 92.7 94.0 96.7 96.7 98.7 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99		-	.0		2.	5	0			8		68.7	8				
300 61.3 80.0 88.0 92.7 94.0 96.7 96.7 98.7 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99		-	0		2.	;		. 9	8	00		0		6		6	
200 61.3 80.0 88.0 92.7 94.0 96.7 96.7 98.7 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99		-	0		5			.0		0	6	0	6			6	
0 61.3 80.0 88.0 92.7 94.0 96.7 96.7 98.7 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99	1	-	0		5		6.1	. 9		00	6		6	6		6	
0 61.3 80.0 88.0 92.7 94.0 96.7 96.7 98.7 98.7 99.3 99.3 99.3 99.3 99.3 99.300.010		-	0		2.			. 9	00		6	6	. 6	6	. 6	ò	
		-	0	•		*						6	6	6		0	0.00

TOTAL NUMBER OF OBSERVATIONS

-

9

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.2 HOURS (1.5.7.) 2001

2 = 2

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9 11	SS AI	4	es Al	2 2%	2 41	V1 %1 %1	VI %1	-	% AI	* AI	χ ΛΙ	≥ 5/16	AI N	٨١
NO CEILING	41.6	44.	45.6	46.3	0	9	46.3	46.3	6	9	46.3		46.3	46.3	46.3	46.3
≥ 20000	46.3	50.	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
N 18000	46.3	50.	52.4	53.0	53.0	53.0	53.0	53.0	53.0		53.0	53.0	53.0	53.0	53.0	53.0
N 16000	46.3	50.	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
	47.0	51.	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
2 12000	47.7		55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
	50.3	55.	58.4	59.1	1.65	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
0006	51.0	56.	59.7	4.09	4.09	4.09	60.4	009	4.09	4.09	60.4	4.09	4.09	4.09	4.09	4.09
	53.0	00	63.8	94.49	4.49	4.40	4.40	4.49	9.49	64.4	4.49	4.40	4.49	64.4	9.49	4.49
000	54.4	0	4.99	67.1	67.1	67.1		67.1	67.1		67.1	1.	67.1	67.1	67.1	67.1
1	34.4	63.	67.1	67.8	67.8	67.8	67.8		67.8	67.8	8.19		67.8		67.8	67.8
2000	56.4	65.	1.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	69.8	8.69	8.69	8.69	88.69
	57.7	99	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1		71.1	71.1
4000	26.4	71.	77.9	78.5	79.5	79.2	79.2	79.2	79.5	79.2	79.5		79.2	79.2	79.2	79.2
	63.1	2	81.9	82.6	83.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
3000	5.99	78	85.9	86.6	87.9	87.9	87.9	87.9	87.9	87.9	•	87.9	87.9	87.9	87.9	87.9
	67.1	19.	-	87.9	89.3	6	89.3	89.3	89.3	89,3			89.3	89.3	89.3	89.3
7 2000	69.8	83.	95.0	95.6	0.46	94.6	9.56	65.3	95.3	68.3	95.3	95.3	95.3	95.3	95.3	95.3
	8.69	83	2	95.6	0.56	94.6	94.6	95.3	6.56	68.3	95.3	95.3	95.3	95.3	65.3	95.3
> 1500	70.3	85.	0.46	94.6	0.96	96.6	9.96	97.3	97.3	97.3	61.3	97.3	97.3	97.3	97.3	97.3
	70.5	80.5	0.46	94.6	0.96	96.6	9.96	6.76	61.3	61.3	6.16	61.3	97.3	97.3	97.3	97.3
V 1000	71.1	85.9	9.46	95.3	96.6	97.3	97.3		98.0	98.0		0.86	0.86	00	98.0	98.0
	71.1	85.	94.6	98.3		7.	97.3		0.86	8	0.86		0.86		0.86	
008	71.1	85	94.6	0.96	61.3	98.0	98.0	98.7	98.7	98.7	1.86	98.7	98.7	186	1.86	48.7
	71.1	85.	9.46	0.96	97.3	0.86	0.86	98.7	48.7	98.7	7.86	98.7	7.86	98.7	98.7	
009	71.1	85	94.6	0.96	97.3	98.0	98.0	7.86	48.7	98.7	7.86	28.1	98.7	7.86	7.86	7.86
	71.1	80	9.46	0.96	97.3	0.86	98.0	66.3	66.3	69.3	66.3	86.3	66.3	66.3	66.3	99.3
7 400	71.1	88	94.6	0.96	97.3	98.0	0.86	66.3	866	66.3	6.66	66.3	66.3	86.3	66.3	66.3
	71.1	9	9.46	0.96	97.3		98.01	0.00	100001	0.001	100.001		00.00	100.001	0.00	0000
N 200	71.1	33	94.6	0.96	97.3	98.0	0.86	0.00	100001	0.001	100.00	00.00	100.00	10000	0000	0.00
8	71.1	85.	9.46	0.96	61.3		0.86	0.001	0.001	0.00	10000	0.00	00.00	0000	0000	0000
0	71.1	6 3	94.6	0.96	97.3	98.0	98.01	00.00	100.001	100.00	100.00	00.00	00.00	100.00	00.00	00.0

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

14855

NON

Ē

15 HOURS (1 S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S:						
(FEET)	2	۰ ۸۱	\$ 1	4	e Al	Y 21/2	7	VI %1	VI 2/1	-	% AI	*	VI Z	≥ 5/16	VI Z	0 1
NO CEILING		44.7	46.	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	-	47.3		47.3
≥ 20000		50.0		52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
		50.0	51.	52.0	52.7	52.7	52.7	52.7	52.7	52.7	2.	52.7	52.7	52.7	52.7	52.7
00091 4	45.3	50.7	32	52.7	53.3	53.3	53.3	53.3	53.3	53,3	•	53.3	53.3	53.3	53,3	53.3
		50.7		52.7	53.3	53.3	53.3	83.3	53.3	53.3	53.3	53.3	53.3	53.3	3	53.3
12000	46.0	51.3		53.3	94.0	24.0	54.0	54.0	24.0	24.0	54.0	54.0	24.0	54.0		54.0
-		57.3		56.3	0.09	0.09	0.09	0.09	0.00	0.09	0.09	0	0	60.0	0.09	0.09
000		58.0		0.09	1.09	60.7	60.7	60.7	2.09	60.7	0	60.7	40.7	60.7	60.7	2009
	52.7	60.7	62.	62.7	0.49	0.49		0.49	4	0.49			4	0.49	0.49	0.49
1 7 1000	53.3	61.3		63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
1		62.0				0		0.99	0.99		.0		0.99	66.0	9	0.99
2000	-	63.3		0.99	0.89	0.89		0.89	68.0	68.0	8		68.0	•	0.89	0.89
		67.3		0.07	72.0	12.0	5		72.0	2.		72.0	72.0	2	72.0	72.0
4000	0.49	74.7		77.3	19.3	79.3	79.3	79.3	79.3		6	6	19.3	79.3	6	79.3
		79.3		82.0	84.0	84.0	84.0	•	*	84.0	*	3	84.0	*	œ	84.0
3000	68.7	84.0		86.7	88.7	89.3	89.3	89.3	89.3		86.3		89.3	69.3	89.	89.3
	10.1	86.0		88.7	1.06	91.3	91.3	95.0	95.0	95.0	2	95.0				92.7
> 2000	72.0		0.06	1.06	93.3	0.46	0.56	1.56	4.7	2.06		24.7	95.3	95.3	95.3	62.3
		87.3		2.06	93.3	0.46	0.46	1.46	4.7	24.7			62.3			
> 1500			0.06	2.06	63.3	0.46	. 4	4.7		24.7		24.7		95.3	5	95.3
	72.7		40.7	91.3	•		2.56	•	0.96	0.96			1.06			
V 1000			91.3	92.7	95.3	0.96	0.96	6.16	97.3	61.3	61.3	61.3	98.0		0.86	0.86
	72.7		91.3	65.7	6.56	0.96	0.96		-					98.0		
008	72.7		61.3	92.7	65.3	96.0	0.96	61.3	6.16	61.3		97.3	98.0		•	
	72.7		95.0	0.76	1.96	61.3	6.16	48.7	48.7	48.7				66.3		66.3
009	72.7		95.0	0.46	2.96	97.3	8.16	7.86	7.86	7.86		28.1	86.3	99.3	666	
	72.7	88.7	0.26	0.46	2.96		6.1.3	1.86		12.7		7.86	66.3	86.3	66.3	86.66
V 400	72.7	8		0.76	1.96	97.3	6.16	66.3	66.3	72	66.3	99.31		0.001		0.00
300	72.7				7.96	97.3	7	66.3	66.3		6	99.3			0	
1 200	2		92.0	0.46		97.3	64.3			6	6	99.3	0	0.001	0	00.00
92	72.7		•	4	. 9		61.3	8.66		66.3				10000	10000	
	2	88.7	65.0	0.96	1.96	97.3	61.3	66.3	66.66		66.3	99.3	00.00	0000	100.0	0.00

TOTAL NUMBER OF OBSERVATIONS

150

35.5

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINDIS

14855 STATION

1 & HOURS (1 S T.)

1

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٥	4.1	1.3	1.3	1.3	2.0	15.7	66.7	66.7	0.5	10.9	7.3	79.3	80.0	5.3	6.6	3.3	4.7	7.96	7.3	98.0	98.7	66.3	66.3	86.66	0.00	0.00	0.00	0.00	0.00	000	000	,
	7		.3 6	•3 6	•3 6	9 0 0	.7 6			00	7 7.	63	3	0	.3 8	.3 8	6	. 7 9		63	0	1.	.3	10	.3	0	0	.0	0	10.	5	000	24.2
	٨١	1 54	3 61	3 61	3 61	0 62	7 62	99 /	99 1	2 74	7 76	3 77	3 79	08 0	3 85	3 89	3 93	7 94	1 96	3 97	86 0	1 98	3 99	3 99	9 99	0100	0010	0010	0010	0010	0010	0000	
	≥ 5/16	54.	61.	61.	61.	62.	62.	.99	.99	74.	76.	17.	.61	80.	85.	89.	93.	. 46	.96	97.	98.	98.	. 66	.66	.66	•		000		00.00	00	000	3
	% Al	24.7	61.3	61.3	61.3	62.0	62.7	1.99	2.99	14.0	76.7	•	19.3		85.3	89.3	63.3	1.46	1006	61.6	0.86		66.3	66.3	66.3	0	00.00	00.00	00.00	00.00	00.00	000	-
	*	24.7	61.3	61.3	61.3	62.0	62.7	1.99	2.99	0.41	16.7	77.3	79.3	80.0	85.3		93.3	1.56	1.96	81.3	98.0	28.7	66.3	66.3		10.00	-	-	0	10.	0	000	
	% Al	4.1	1.3	1.3	1.3	2.0	2.7	1.9	1.9	0.4	10.0	.3	6.6	0.0	5.3	6.3	3.3	1.5	6.7	7.3	0	.7	100		66.3	9	0	10.	.01	0	0	00.00	2
	-		1.36	1.3	1.3 6	2.0 6	2.7 6	6.7 6	6.7 6	4.0	6.7 7	7.3 7	6.3	0.0	5.3 8	9.3 8	3.3 9	4.7 9	6 1.9	7.3 9	8.0 9	8.7	6.3	.3	.3	0.	001000	0.0100	0.0100	-	0	0.00	•
WILES)		2 2	3	3	3 6	9 0	7 6	7 6	7 6	0	7 7	3 7	-	8	3 8	3	3	2	7	3	6	0	3 6	3 9	3 86	0010	010	0010	10	01		000	2
ATUTE ,	VI 7	54.	61.	61.	61.	62.	62.	66.	99	74.	76.		79.	80.	85.	89.	93.	. 76	96	67.	98	00	66	.66	.66	100	100	100	100	100	•	00	3
VISIBILITY (STATUTE MILES)	٧١ ٪	54.7	61.3	61.3	61.3	62.0	62.7	66.7	65.7	74.0	76.7	77.3	79.3	80.0	85.3	89.3	93.3	2.46	96.7	97.3	98.0	98.7	66.3	66.3	66.3		0000	0.00.	00.0	0.00.	00.00	000	2
VIS	7	54.7	61.3	61.3	61.3	62.0	62.7	1.99	66.7	74.0	76.7	77.3	79.3	80.0	85.3	89.3	93.3	1.00	0.96	7.96	97.3	0.86	98.7	2.86	7.86	66.3	66.3	66.3	86.3	86.8		99.3	
	≥ 2%	24.7	61.3	61.3	61.3	050	62.7	1.99	1.99	0.41	76.7	77.3	79.3	0.08	85.3	89.3	93.3	64.7	0.96	1.96	97.3	97.3	97.3	61.3	61.3	98.0	98.0		98.0			98	
	۸۱	24.7	61.3	61.3	61.3	62.0	62.7	2.99	1.99	0.47	76.7	77.3	19.3	0	85.3	89.3	63.3	1.56	1.56	65.3	0.06	0.96	0.96	0.96	0.96	1.96	1.96	2.96	1.96	1.96	1.96	1.96	
	٨١	54.0	2009	60.7	2.00	61.3	0.29	0.99	0.99	72.0	74.7	75.3	77.3	0.87	82.7	86.7	1.06	0.26	92.0	45.7	93.3	83.3	63.3	93.3	63.3	0.96	0	0	0.46	0	•	0.46	•
	\$5 A1	53.3	-	0.09	0.0	2.09	61.3	65.3	65.3	71.3	24.0	74.7	76.7	77.3	82.0	84.7	88.7	0.06	0.06	0.06	2006	2.06	2.06	1006	20.1	· ·	. 3	. 3	. 3	•	61.3	91.0	1
	9 Al	52.7	~	~	3	0	-	0	0	0	0	~	~	•	0	~	~	0	0	0	~	~	1	1	~	88.7				-		20 00	
	2																										- 1		- 1		- 1	0.47	
CEILING	(FEET)	CEILING	20000	18000	≥ 16000	14000	2 12000	10000	> 0000 Z	8000	> 2000	0009	2000	4500	000	3500	3000	2500	7 2000	1800	> 1500	1200	0001 <	000	88	700	009	200		300	30	80	
		Q Z								Ľ																							

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73-77

Z 1 NOURS (L S T)

2400

VISIBILIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
	۲۱ او	۵ ۸۱	N AI	4	ο Al	1 2%	M Al	٧١ ٧٦	¥ 1	_ AI	% AI	∦ Al	% Al	≥ 5/16	VI N	٨١
NO CEILING	51.3	57	58.0	59.3	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
> 20000	56.0	62	63.3	64.7	0.99	1.99	66.7	67.3	-	61.3	67.3	67.3	67.3	67.3	67.3	67.3
	56.0	62	63.3	64.7	0.99	66.7	66.7	6.3	67.3	67.3	67.3	67.3	67,3	67.3	67.3	67.3
≥ 16000	56.0	-	63.3	64.7	0.99	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
	56.0	62	63.3	64.7	0.99	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000		0.49	64.7	0.99	67.3	0.80	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	59.3	67.3	0.89	69.3	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0006	59.3	67	68.0	69.3	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
	62.0	7.1	72.0	73.3	74.7	18.3	75.3	76.0	76.0	76.0	76.0	76.0		76.0	76.0	76.0
7000	0.49	74	75.3	76.7	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
	0.40	74	75.3	76.7	78.0	18.	78.7	79.3	79.3	19.3	19.3	79.3	19.3	79.3	79.3	79.3
2000	66.7	78	19.3	80.7	82.0	82.7	62.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	0.80	80	81.3	83.3	84.7	85.3	35.3	0.98	0	86.0	86.0	86.0	9	86.0	86.0	86.0
4000	68.7	82	84.0	86.0	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
	68.7	8	84.7	86.7	88.0	88.7	88.7	89.3	0	89.3	6	89.3	6	89.3	89.3	89.3
3000	68.7	84.7	86.0	88.7	0.06	40.1	2.06	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	08.7	80.3	87.3	00.1	92.0	92.1		93.3	63.3	63.3	93.3	63.3	93.3	93.3	93.3	63.3
7 2000	68.7	87.3	0	3.3	4.1	96.0	0.96	1.96	1.96	7.96	2.96	1.96	46.7	96.7	1.96	1.96
	68.7	87	0.06	93.3	1.56	0.96	0.96	40.3	96.7	7.96	1.06	4.96	1.96	1.96	2.96	40.7
× 1500	68.7	87	0.06	93.3	64.7	0.96	0.96	7.96	1.96	7.96	1.96	96.7	96.7	1.96	1.96	1.96
	69.3	88.0	1.06	0.96	65.3	0	66.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1000	66.3	88.0	2006	0.46	65.3	1.96	46.7	61.3	97.3	97.3	97.3	84.3	97.3	97.3	97.3	97.3
		88.0	2006	0.46	95.3	1.96	66.7	97.3		61.3		97.3			97.3	61.3
00 AI	69.3	88.7	61.3	4.1	0.96	97.3	97.3	0.86	8	0.86	98.0	0.86	98.0	98.0	0.86	98.0
		88.7	91.3	1. 76	0.96	61.3	61.3	0.86	98.0	98.0	0.86	0.86	98.0	0.86	0.86	0.86
0 AI		88.7	61.3	1.76	0.96	6.16	97.3	0.86	0.86	98.0	98.0	98.0	98.0	98.0	0.86	98.0
	-	88.7	6116	2. 46	0.96	97.3	0.86	48.7	1.86	7.86	7.86	98.7	98.7	98.7	98.7	98.7
VI 400	69.3	88.7	91.3	1.76	96.0	61.3	0.86	48.7	98.7	98.7	7.86	28.7	48.7	98.7	186	98.7
38	69.3	88.7	61.3	64.7	0.96	97.3	0.86	48.7		4.96		86.3	0	6	66.3	66.3
1 200		88.7	95.0	95.3	1.96	0.86	98.7			66.3	100.00		0	100.001	00.00	0.00
VI 8		88.7	0.76	98.3			98.7	6	66.3		•	ò	0	100.00	0000	0.00
٨١	69.3	88.7	0.76	68.3	1.96	98.0	98.7	66.66	86.3	66.3	0.001	0000	0.00	100.0	0.001	0.00

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14355

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Series

200

CEILING							VIS	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9	N AI	4	e vi	2 2 %	N N	۲۱ ۲۲	VI 7.	Ā	% AI	* 1	Z AI	≥ 5/16	VI N	٨١
NO CEILING	43		52.7	54.1	84.8	55.1	55.1	55.3	55.4	55.7	S.	55.7	55.7	55.7	55.7	55.7
> 20000	48			6	60.3	0	60.8	61.0	-	61.4	61.4	01.4	4.19	61.4	61.4	61.4
> 18000				•	60.3	0	8.09	1.		61.4	61.4	61.4	-	1.	-	61.4
N 16000	48.0		58.1	96.6	4.09	60.7	6.09	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5
				0.09	1.09	-	61.2	61.4	61.5	61.8	-		-	Town.	-	8.19
≥ 12000		56.8	29.4	6.09	91.6		62.1	65.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7
V 10000			63.8	6.59	66.1	66.5	9.99	6.99	-	67.4	4.19	67.4		67.4		67.4
0006	52.1		1.49	65.6	66.3	66.7	6.99	67.1	67.2	67.6	•	7.	67.6	•	9.19	67.6
			8.89	70.4		72.0	72.2	72.5	72.6		•	73.0	3.	73.0	•	73.0
7000	56.3		70.7	72.4	73.6	74.1	74.3	74.6	74.7	75.1	2		75.2		75.2	75.2
			71.4	73.1	74.3	14.1	75.0	75.2	•	75.7		75.8	3	75.8	75.8	75.8
2000	58.6			75.4		77.1	77.3	77.6	77.7	78.1	78.2		78.2		78.2	78.2
1				77.3	78.7	79.1	79.3	6	79.7	80.1			0		0	80.2
1 4000			•	81.1	82.6	83.1	83.3	83.6	83.7	4	84.2	84.2		84.2	;	84.2
	63.7		82.0	83.9	85.4			86.4	86.5	86.9	87.0	87.0	•	87.0	87.0	87.0
3000	65.4	79.	34.3	86.6	88.2	88.8		89.3	4.68	89.8	6.68	6.68	89.9	6.68	6	6.68
	0.99	81.	85.7	88.0	1.68	90.5	7.06	91.1	91.2	91.6	-	-		91.7	91.7	91.7
7 2000	67.1	82.	87.6	0.06	91.7	92.9	93.5	93.7	43.7	34.5	64.3	64.3		84.3	64.3	94.3
	67.1	82.	87.7	90.2	6.16			93.8	63.9	64.3	4.46	4.46		94.5	64.5	94.5
1500	67.6	83.		-	93.1	64.3	94.5		95.1	95.5	92.6	92.6		95.7		95.7
	67.8	84.	89.2	91.7	93.5	1.76	95.0	95.6	95.7	1.96	96.2		96.3		96.3	96.3
1000	61.9	84.		92.2	1.56	47.66	95.8	96.5		0.76	97.1	97.1	31.5	97.2	97.2	97.2
	6.7.9	84.		92.2	34.5	93.5	•	90.96	4.96	97.1	97.2	31.5	-		61.3	97.3
00 AI	61.9	9.40	39.5	92.3	64.3	95.7	36.1	96.3	9	•	4.16	4.16	61.5	97.5	51.2	97.5
	61.9	84.	66.68	92.8	8.76	6.	9.96	61.3	97.4	8.16	6.16	61.6	00	98.0	0.86	0.86
% A	61.9		6.68	95.8	8.46	8.96	9.96	6.76	97.4		0.86	0.86	98.1	98.1	1.86	
	61.9	1		95.8	94.8	2.96	96.8	97.8	7	8	68.5		48.7	98.7	1.86	48.7
400	64.6		•	95.8	6.46	6.96	96.8	6.16		98.6	•	8.86	98.8	98.8	8.86	98.8
	6.19	84.4	6.68	95.8	6.46	96.3	6.96	3.86	68.3	68.8	•			66.3		
× 200		84.4	0.06	95.9	95.0	.0	0.16	98.3	8	•	3.66	66.3	4.66	4.66		1.66
VI 001	61.6			2	0.56	96.3	0.76			6	6	66.3	•	66.5	9.66	6.66
٨١	•	84.4	0.00	95.9	65.0	96.3	0.26	98.3	98.3	0.66	66.5	66.3	66.8	99.5	8.66	00.00

TOTAL NUMBER OF OBSERVATIONS

1199

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (L S T) JUL

200

SVI III							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	2	o Al	\$ AI	4	e vi	2 2%	2 7	¥1 Y	¥1 Y	-	% AI	*	N N	≥ 5/16	VI X	٨١
NO CEILING	2	-	65.8	0.69	70.3	71.0	71.0	71.0		71.6	71.6	71.6	11.6	11.6	71.6	71.6
≥ 20000	*	1.	71.6	74.8	76.1	76.8	76.8	16.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
N 18000	*	7.	-	74.8	76.1	76.8	76.8	76.8	•	77.4	77.4	77.4	77.4	77.4	77.4	77.4
00091 ₹	*	-	71.6	74.8	76.1		76.8	76.8		77.4	77.4	77.4	77.4	77.4	77.4	77.4
		7.	-	74.8	76.1	8.9/		76.8		77.4		77.4		77.4	77.4	77.4
12000	.9	6	73.6	76.8	78.1	78.7	78.7	78.7	78.7	19.4	19.4	4.64	19.4	79.4	79.4	79.4
		2	1.	80.7	82.6				33	50	3			83.9	83.9	83.9
000	7	N	77.4	80.7	82.6	83.2	83.2	83.2	83.2	63.9	83.9	83.9	83.9	83.9	83.9	83.9
1	6	100	3.	86.5	4.88	6	•	0.68			6	89.7		89.7	6	89.7
7000		0	85.2	88.4	6.06	91.0	0.16	91.0	91.0	91.6	-		-		=	91.6
1	1	0	3	89.0	-		19	91.6	-	2.		92.3	2	92.3	92.3	92.3
2000	-		87.1	90.3		92.9	6.26	95.9		93.6		3		93.6	93.6	93.6
	-	:	7	90.3		60	3.		3	4	*	84.2	*		4.	34.5
1 1	N		87.7	91.0		94.2	94.2	94.2						94.8	94.8	94.8
	N	50	88.4	91.6		94.8	*	*			3	95.5	5		2	95.5
3000	N		89.7	92.9	95.5	96.1	.9	96.1	0	. 9				8.96	•	96.8
	2	4	90.3	93.6		9		96.8	96.8	4.16	4.16	4.16	4.16	4.16	97.4	97.4
7000	-		6.06	94.2	96.8	4.10	4.16	97.4		98.1	1.86				98.1	98.1
	2	3	.0	94.2	8.96	37.4	4.16		4.16	98.1	1.86	98.1	1.86	98.1	98.1	98.1
1500	·	4	6006		96.8	4.46	98.1	98.1	1.86	7.86	1.86				7.86	48.7
	2	4	0	34.2		97.4	98.1	1.86	98.7	4.56	4.66	4.66		4.66	4.66	4.66
1 71	N	;	6.06	34.2	8.96	97.4	98.1	48.7			4.66	4.66		4.66	4.66	4.66
1	47.5	3	0	94.2	96.8	4.66	98.1	98.7	48.7	4.66	4.66	4.66	7.66	4.66	4.66	4.66
8	N	4	90.3	94.2	8.96	4.16	98.1	1.86	98.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	2	4	6006	2.76	0	4.6	98.1	98.7		4.66	4.66	4.66		4.66	4.66	4.66
§	N	*	90.3	94.2	9.96	4.16	00.1	98.7	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	2	*	6006	34.2		4. 6	98.1	98.7	48.7	4.66	4.66	7.66	4.66	40.66	4.66	40.66
1 1	N	;	80.3	94.2	8.96	97.4	98.1	98.7		4.66	4.66	4.66	4.66	4.66	4.66	4.66
	~	4	90.3	34.5		4.66	98.1	1.86	98.7	0000	0000	0.001	00.00	100.00	00001	0000
30	62.6	84.5	8000	94.2	8.96	4. 46	98.1	7.86		00.00		100.00	0.00	100.0	0.001	0.001
	2	3	6006	34.5	0	4.16	98.1	98.1	98.71	0.00	0.00	0.001	00.00	0000	0.001	0000
١٨١	N	;	90.3	94.2	8.06	4. 6	98.1	98.7		0000	0.00	100001	00.00	100.0	0000	0.001

TOTAL NUMBER OF OBSERVATIONS

155

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DIRNAVOCEANMET SMOS

GLENVIEW, ILLINUIS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.3 HOURS (1.5.7.) JUL HONTE

1111

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	2	۰ ۱۸	N S	71	E AI	2 2%	7 1	V1 V2	¥1 Y	- AI	% Al	*	Z AI	≥ 5/16	VI X	٨١
NO CEILING			2.		67.7	6	0.69	6	6	0.69	0.69	6	6	6	6	
≥ 20000			5	0.69	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
			5	0	70.3	71.6	71.6	71.6		71.6	•	•		71.6	-	
≥ 16000	46.5	59.4	65.2	0.69	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
			5	0			71.6								1	71.6
≥ 12000		61.3		71.0	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	3	73.6	3.	73.6
	47.7		-	100				78.7	78.7	0	78.7	78.7	8	78.7		78.7
0006	48.4		72.3	76.1	78.1	19.4	19.4		•	79.4		6	5	•	6	79.4
	51.0		*	~		85.8		5	5	150	85.8	85.8	85.8	85.8	85.8	
7000	51.0			83.2	85.2	é	86.5	86.5		87.1		87.1			-	87.1
1	51.0		19.4	84.5		87.7	:	-		8	88.4	98.4	88.4	88.4		
2000	51.6	74.8	0	85.8	87.7	6	•	89.0	6	89.7	1.68	89.7	0		6	1.68
1	52.9		-	87.7		91.0	-	0.16	-	91.6	91.6	91.6	-	91.6	91.6	91.6
0007	52.9	76.1	-	87.7	2.68	-	0.16	91.0	-		91.6	91.6	91.6	-	-	91.6
	54.2		3	89.7		92.9	5	2.		93.6	3	93.6	3	93.6	3	
3000	54.2			91.0	93.0		98.5	5		96.1	1.96	1.96				
1	54.5		5	0.16		3	9	1.96	1.96	ċ	8.96	8.96	0.		9	8.96
7 200	54.8			91.5	94.2	96.1			8.96	•	4.76	4.16	4.16	4.16	4.16	97.4
V 1800	54.8	80.0	85.8		34.5		8.96	96.8	9.96	4.16	4.16		•		4.16	97.4
≥ 1500			9	2.	4.	.0	4.16		4.76	60	1.86				1.86	98.1
			•	6.26	5	4.16	1.86	1.86	98.1	8	1.86	1.86		60	48.7	98.7
1000				3		4.16	98.1			8	48.7	48.7		8	18.1	98.7
			.9	5	5.	1.	1.86	98.1		7.86	1.86	1.86	98.7	00	48.7	98.7
008			86.5	6.26	95.5	4.16	98.1		98.1	00	1.86	28.7			18.4	98.7
			.0	2			8	1.86		œ	1.86		4.86	7.86	48.7	98.7
009			66.5	6.26	95.5	98.1	7.86	7.86		4.66	4.66	4.66	4.66	4.66	4.66	4.66
		80.7	.0	65.6	65.5	98.1	68.7	98.7	8	4.66	4.66	4.66		4.66	7.66	4.66
× 400	54.8		9	6.26		98.1	1.86	98.7	7.86		4.66	4.66	4.66	4.66	4.66	4.66
				6.26	5.	98.1	68.7	98.7	1.86	4.66		7.66				4.66
× 200		80.7	86.5	6.26	62.5	98.1	7.86	98.7		4.66	4.66	4.66	4.66	4.66	4.66	4.66
91	54.8		86.5	65.6		1.86	7.86	48.7	48.7	4.66	4.66	4.66			4.66	4.66
٥		80.7	86.5	92.9	95.5	98.1	7.86	7.86	68.7	4.66	4.66	4.66	4.66	4.66	4.66	0000

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINGIS

73-77

YEARS

JUL WITH

SHING							NIS.	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	9	81	7	8 1	≥ 2%	2 41	VI 2/2	VI 71	Ā	× AI	₹ Al	% Al	≥ 5/16	7	٨١
NO CEILING	8			54.2	\$7.4	60.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	610	6119	61.
₹ 20000	40.0	2	54.8	40	61.3	64.5	64.5	65.8	5	3	65.8	65.8	65.8		65.8	
18000	40.0	2	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65
16000	40.0	2.		58.1	61.3	64.5		65.8		65.8		65.8	9.59	65.8	65.8	65
14000	0.04	2	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8		65.8		65.
12000	40.0	53.6	56.1	59.4	62.6	66.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.
10000	43.2	a		67.1	0	74.8	74.8	76.1	76.1	76.1	76.1	16.1	76.1	76.1	76.1	76.
9006	43.2		61.9	67.1	70.3	74.8	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.
8000	44.5	:		70.3	74.8	79.4	76.4	80.7	80.7	80.7	80.7	80.7	0	80.7	80.7	80.
7000	44.5		65.2	70.3	74.8	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80
9009	44.5	2.		71.0	75.5	0.08	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.
2000	45.2	3	67.7	72.9	78.1	82.6	82.6	83.9		83.9	83.9	83.9	83.9	83.9		83
4500	45.8	65.8		74.8	80.0	64.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.
9004	46.5	67.1	71.0	76.8	-	87.1	87.1	88.4		88.4	88.4	88.4	88.4	88.4	88.4	88
3500	47.1	67.7	71.6	77.4	82.6	87.7	87.7	0.68	0.69	89.0	0.68	89.0	89.0	89.0	89.0	89.0
3000	47.1	69.7	73.6	4.61	*	89.7	80.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	9116	91.6
2500	47.7	71.0	74.8	80.7	85.8	0.16	91.6	6.26	92.9	92.9	95.9	65.6	95.9	92.9	65.6	92.9
2000	47.7	71.6	75.3	81.3	86.5	91.6	92.3	2.46	3.46	84.5	34.5	2.46	2.46	34.2	94.2	94.2
1800	47.7	71.6	75.5	81.3	86.5	91.6	92.3	2.46		34.5	3.46	2.46	2.46	84.2	34.5	94.2
1500	47.7	72.3		83.2	88.4	94.2	94.8	8.96	96.8	8.96	96.8	96.8	90.8	8.96	96.8	96.8
1200	47.7	72.3	76.3	83.9	89.0	8.76	95.5	4.16	4.76	4.16	4.16	91.4	4.16	97.4	97.4	97.
000	47.7	72.3	76.8	83.9	89.0	94.8	95.5	97.4	97.4	4.76	4.76	97.4	4.16	97.4	97.4	97.
	47.7	72.9	77.4	84.5	89.7	95.5	96.1	98.1	98.1	98.1	98.1	1.86	1.86	98.1	98.1	98
008	-	72.9	77.4	85.2	80.3	96.1	96.8	48.7	98.7	7.86	7.86	28.7	98.7	98.7	98.7	98
	-	72.9	77.4		6.06	96.1	96.8	7.86	98.7	7.86	68.7	48.7	7.86	7.86	98.7	98.
80	1	72.9	•			96.1	96.00	98.7	98.7	98.7	7.86	4.86	98.7	7.86	98.7	98
	47.7	72.9			1 .	96.1	96.8	4.66	7.66	4.66	4.66	7.66	4.66	7.66	4.66	66
8	47.7	72.9	77.4	85.2	80.3	96.1	96.8	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	66
		72.9		85.2	6.06	96.1	8.96	4.66	4.66	4.66	4.66	4.66	4.66	7.66	4.66	.66
300	47.7	72.9	77.4	85.2	6.06	96.1	96.8	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	66
81	47.7	72.9	77.4	88.2	6006	96.1	96.8	4.66		4.66	6	6	14.66	10.00		0.001
			-	-				-			-					

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

00 HOURS (1 S T) JUN H

2 80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	IBILITY (ST,	VISIBILITY (STATUTE MILES)	(\$)						
(FEET)	5	4	8	4	8	> 21/2	7	۷۱ ۲۷	VI VI	-	% AI	*	% Al	≥ 5/16	N NI	0 11
NO CEILING	44.5	57.4			6.99	66.5	66.5	60.5	6.99	•	66.5	66.5	66.5	66.5		66.5
1 20000	-	60.7		9	70.3	6.0	71.0	71.0	71.0	71.0	-	11.0	11.0	71.0	71.0	71.0
		60.7	64.5	66.5	70.3	10.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
16000	-	60.7		66.5	70.3	70.3	71.0	71.0		71.0	71.0	71.0	71.0	71.0	71.0	71.0
	-	61.3	65.2	67.1	71.0	71.0	71.6	71.6		71.6	71.6	71.6	71.6	71.6	71.6	71.6
2 12000	48.4	63.2	67.1	0.69		72.9		73.6		73.6	73.6	73.6	73.6	73.6	73.6	73.6
	3.	66.5	71.0	74.2	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0006	6	67.7	72.3	75.5	4.64	79.4	30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	-	0.69	73.6	76.8	80.7	0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	-	69.7	74.2	77.4	81.3	81.3	81.9	•	81.9	81.9	-	81.9	:	81.9		81.9
	-	71.0	75.5	78.7	•	82.5	83.2	83.2	83.2	83.2	83.2	83.5	83.2	3	3	83.2
2000	-	72.3	76.8	80.0	83.9	63.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	34.5	84.5	84.5
	-	72.3	76.8	80.0	83.9	63.9	84.5	+	•	. 4	;	4 .			4	84.5
4000		72.9	77.4	80.7	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	89.2	85.2	85.2
	2.	74.2	78.7	6.18	85.8	8 5	86.3	86.5	•	86.5	86.5	86.5	86.5	86.5	86.5	
3000	~	76.1	80.7		87.7	87.7	0.68	89.7	89.7	89.7	6	•		89.7	6	•
	5	76.8	81.3	88.2	89.0	0.68	90.3	91.0	-:	91.0	91.0		-:	-	-	
≥ 2000		78.1	82.6	86.5	60.3	0	91.6	95.3	92.3	•		2	95.3		3	
1800	53.6	78.1	85.6		80.3	0	-	2.	3		92.3	5.			92.3	
		80.0	84.5		65.6	3	8.46		95.5	95.5		3	2	2.	2	2
	60	80.7		89.7	93.6	. 4	95.5	9		96.1	8.96					
VI 000 001	60	81.3	85.8	80.06	34.5		1.96	8.96					4.16	97.4		97.4
% AI	9	81.3	85.8	8006	8.46	10	96.8	7	4.16	4.16						98.1
		81.9	87.1	9116	1.96	. 9	98.1	98.7	68.7	98.7						4.66
	*	61.9	87.1	91.6	1.96	0	98.1	8	7.86	7.86	4.66	4.66	4.66	4.66	4.66	4.66
009	•	81.9	87.1	91.6	1.96	4.16	98.7	\$ 66	4.66	90.41	0.00	00.00	0.001	100.0	100.001	0.00
900	. 4	81.9	87.1	91.6	1.96	4.46	7.86	4.66	4.66	17.66	•	0000	0.001	10000	100001	0000
		81.9	87.1	91.6	1.96	4.16	7.86	4.66	4.66	4.66	0.00	00.00		100.0	100.00	0.00
38		81.9	87.1	-	1.96	4.10	68.1		4.66	4.66	0000	0000	0000	1000	100001	0.00
1 30	*	81.9	87.1	91.6	1.96	41.4	98.7			4.66	0.00	0.00	0.001	1000	100.001	0.00
8	54.5	81.9	87.1	:		47.4					0	00	0	10000	100001	0.00
	;	81.9	87.1	91.6	96.1	4.16	98.7	4.66	4.66	4.66	0.00	10000	0.001	10000	100.001	0000

TOTAL NUMBER OF OBSERVATIONS

155

070

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

GLENVIEW, ILLINUIS

73-77

E

JUL MONTH 12 HOURS (LS.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)	
PERCI		

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	(5)						
(FEET)	5	٨١	\$	1	es Al	2 2%	7 1	VI 2/2	7	71	7	*	Z	2 5/16	7	٨١
NO CEILING		0	-	5.69		64.5	4.	*		4		64.5	4.		4	64.5
> 20000	52.0	65.8	66.5	4.89	0.69	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
7 18000		in	9	60		69.7	0	0	0	ċ			0		70.3	70.3
16000		10	•	63.4	0.69	69.7	0	70.3	0	70.3		70.3	0	70.3	70.3	70.3
			1.	0.69		(0.3		71.0					-:	•	71.0	71.0
2 12000		-	67.7	1.69	70.3	71.0	71.6	71.6	-	71.6	-	71.6	:	71.6	71.6	71.6
		0	-	72.9		74.2	74.8			74.8	*		4		74.8	74.8
000	56.1	-		73.6	74.2	14.8	75.5	75.5	S	3	75.5	75.5		75.5		75.5
1			2	74.8	75.5	76.1	76.8	76.8			9	76.8	0	76.8	76.8	76.8
1 7 1000		2	73.6	76.1	70.8	77.4	78.1	78.1		78.1	78.1	78.1	8	78.1		78.1
1		2.	3	. 9		78.1	78.7	78.7	78.7					78.7	78.7	78.7
2000		5	75.5	78.7	80.0	60.7	81.3	81.3	81.3	81.3	-	81.3	:	81.3	81.3	81.3
1		7.	8	-		83.2				9	-	83.9			83.9	
1 1	65.6	0	0	83.9	85.2			87.1		87.1	87.1			87.1	87.1	
1		:	-	85.2		87.1	38.4	88.4			38.4			4.8	88.4	88.4
3000	66.5	10	86.5	89.7	0.16	91.6	93.0	93.6	93.6	*	93.6	93.6	93.6		93.6	93.6
1		.0	-	0.16		65.6	8.46	8.96	3	•	*		94.8	4	8.46	8.96
7 2000	67.1	7	0.68	92.9	84.2	95.5	4.16	4.76		4.16				7	4.16	97.4
		7	6		34.5			4.16	4.16	7	-	31.6				97.4
1500		7.		2.	34.5	95.35	4.1.6	4.76	97.4	4.16	4.16	4.16	97.4	97.4	97.4	97.4
	67.1	-	0.68	65.6	34.5		4.16	97.4	4.16	4.16	98.1	00	98.1	98.1	98.1	
0001	67.1		6	•	8.46	9	7.86	98.7		7.86	6		6	4.66	4.66	4.66
	67.1			93.6				5.66	4.66	4.66	100.001	0000	100.0	0.001		0001
00 AI	67.1	00		93.6	95.5	96.9	4.66	4.66		4.66	0.001	0000	0	100.00	100.00	001
	67.1	8	89.7	93.6	6.56	8.96		4.66	4.66	4.06	0	0.00	0	100.0	0	100
00	67.1	8	1.68	93.6	98.5	96.8			4.66	99.4		0.00	0	10000	0.001	100
			89.7	93.6	65.5	8.96	4.66	4.66	4.66	4.66	100.00	0.00		10000	0.001	100
004	67.1		89.7	93.6	6.56	96.8	7.66	4.66			100.00	0000	0	100.00	0000	100
38	67.1	88.4	1.68		'n	96.8		4.66	6	40.66	0	0.00	100.0		0.001	0001
	67.1	2	89.1	0		20.0	4.66	4.66	4.66	4.66	0	0.00	0	1000	0.001	00.
8	67.1	8		99.6	62.2	96.8	4.66	4.66	4.66	4.66	00.00	0.00	0.001	10000	0000	0000
	07.1	00	89.7	93.6	65.5	20.06	9.66	4.66	4.66	4.66	•	000	0000	10000	0000	0001

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0 0 0

14855

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

15 HOURS (LST)

1411

URRENCE	NS)
PERCENTAGE FREQUENCY OF OCCURRENC	(FROM HOURLY OBSERVATIONS)

(FEET)										(Signature Witter)						
	5 1	9 Al	\$ 1	1	6 Al	2 2%	7 1	۷۱ ۲۷	2/1 7/2	-	% AI	₽ Al	Z AI	2 5/16	VI 74	٨١
NO CEILING	2		0	0.09	60.7	60.7	60.7	60.7	60.7	50.7	60.7	60.7		60.7	60.7	60.7
Z 20000	,		0.69	0.69	1.69	69.7	70.3	70.3	70.3	70.3		70.3		70.3	70.3	70.3
	*	4.89		0.69	1.69	69.7	70.3	70.3	•	•	70.3	70.3	70.3	70.3	70.3	70.3
7 16000			0.69	0.69	69.7	1.69	70.3	70.3	70.3	70.3		70.3		70.3	70.3	70.3
	54.2			0.69	69.7	60.7	70.3	70.3		70.3	70.3	70.3	70.3	•	70.3	70.3
> 12000			70.3	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
			-	71.6		72.3	72.9	72.9	72.9			72.9	72.9	•		72.9
0006	56.8		72.3	72.3	72.9	•		73.6		73.6	73.6	73.6		73.6	73.6	73.6
(3.	73.6	74.8	74.8	75.5	75.3	75.5	75.5	75.5	75.5	5	75.5	75.5	75.5
000	58.1			73.6	74.8	74.8		76.1	.0			76.1		76.1	•	76.1
1			3	74.2	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	-	77.4	77.4	77.4
2000			74.8	78.5	78.1	78.1	79.4	79.4	79.4	79.4	79.4	19.4	79.4	79.4	79.4	79.4
	60.7	76.8	77.4	78.1	60.7	80.7	81.9	81.9	-	-	-	81.9			-	81.9
0004			0	81.3		•	150	85.2	85.2		85.2	85.2	Š	85.2	85.2	85.2
1				85.2	87.7	87.7		0.68	6	89.0			89.0		89.0	89.0
3000			87.7	88.4	91.6	92.3	93.6	93.6	19	93.6	93.6			93.6	93.6	93.6
1			6.06	91.0	65.5	1.96	4.16	4.16	97.4		•	97.4	•			
2000	68.4			92.3	8.95	4.16	7.86	7.86	7.86	98.7	98.7	48.7	98.7		7.86	
	4.89		91.6	92.3	8.96	4.16	98.7	48.7			8	98.7	98.7	98.7		
1500	4.89		-	92.3	4.16	98.1	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	99.4
1	68.4		91.6	92.3	4.16	98.1	4.66	5.66	00.00	0.001	100.0	10000		100.0	0.001	0000
0001	4.89		91.6	92.3	4.16	98.1	4.66	4.66	00.00	0.001	100.0	100.0		100.0	0.001	0001
	4.89		91.0	92.3	4.16	98.1	4.66	4.66	0.00	0.001	100.0	10000	0	10000	0.001	000
008	4.89		91.6	92.3	4.16	98.1	4.66	4.66	0.00	0.001	100.0	100.0	100.0	100.0	0.001	100
	4.89		91.6	92.3	4.16	98.1	4.66	4.66		0.001	100.0	10000	100.0	10000	0.001	000
00	68.4		91.6	92.3	4.16	98.1	4.66	4.66	•	0.001	100.0	100.0	0	100.0	0000	0001
	68.4		91.6	65.3	4.16	98.1	4.66	4.66	0.00	0.001	100.0	10000	100.0	0.001	0000	0001
V 400	68.4		91.6	95.3	97.4	98.1	4.66	4.66	0.00	0.001	100.0	10000	0	100.0	0000	0001
30	68.4		91.6	92.3	4.16		4.66	4.66	•	0.001	100.0	0.001		10000	0000	
	68.4		91.6	92.3	4.16	98.1	4.66	36.4	0.00	0000	100.0	100.0		100.0	0000	0001
8	4.89	89.7	91.6	65.3	4.16	98.1	4.66	4.66	0.00		•	0.001	100.0	0.001	0.001	0.001
٥	4.89		91.6	92.3	4.16	98.1	4.66	4.66	00.00	0000	0.001	0.001	100.0	0.001	0000	0001

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 HOURS (1.5.T.) JUL MONTH

E

	٧ 0	.8 65.8	.2 74.	.2 74.		4.8 74.8	.3	9.		.7 8	0.68 0.	0 91.6	0.	8.	.5 95.5	.1 98.1	.1 98.1	.7 9	6 4.	5. 99.4·	4.66 4.	4.66 5.	4.	4.66 4.	4.66 4.	4.66 5.	7.	4		10.	0	0.0010.
	5/16	5.8 65	.2 7	4.2 74	4.8 74	4.8 7	1.3 8	2.6	7.1 87	7.7 8		-	5.9 9	4.2 9	4	7.4 9	7.4	8.1 9	8.7	8.7 9	8.7	8.7	8.79	18.7 99	8.7 9	8.7	8.7 99	8.7 99	0014.6	0017.6	0074-6	0014.6
	ΛI % ΛΙ	74.2 7		74.2 7		8.4		2.6	7.1	7.7	89.0 8	1.0		.2	. 4	97.4 9	6 4.16	8.1	6 4.86	8.7	98.7 9	-	98.7 9	98.7 9	98.7 9	98.7 9	98.7 9	6 1.86		6 4.66		99.4
	*	74.2	74.2			74.8	-		87.1			-	5.		*	97.4	97.4	98.1		98.7	48.7	98.7	28.1	98.7	98.7			7.86	7.66	4.66	4.66	4.66
	% Al	10 4		*	74.8	4	-		87.1	87.7			2		•	4.70	4.16	98.1	98.1	98.7	98.7	2.86			98.7	98.7		3	4.66	4.66	4.66	4.66
LES)	Ā	74.2	1	74.2	74.8	74.8	81.3	82.6	87.1	87.7	89.0	91.0	92.9	94.2	8.46	97.4	97.4	98.1	7.86	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	7.66	4.66	4.66	4.66
VISIBILITY (STATUTE MILES)	71 71	65.8		74.2	74.8	74.8	81.3	2		87.7	89.0	-		4	8.46	-	4.16	98.1	98.7	98.7		98.7	98.7	98.7	98.7	98.7	98.7		4.66		4.66	4.66
SIBILITY (SI	۲۱ ۲۱	65.8	74.2	74.2	74.8	74.8		82.6	87.1	87.7	89.0	91.0	65.6	34.2	9.76	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	9.66	4.66	9.66	4.66
N N	7	74.2		74.2	74.8	74.3	81.3	82.6	87.1	87.7	89.0	91.0	65.6	94.2	94.8	4.7.4	97.4	98.1	98.7	98.7	7.86	98.7	98.7	98.7	7.86	98.7	68.7	98.7	4.66	4.66	4.66	9.66
	2 2%	74.2		74.2	74.2	74.2	0	61.3		86.5	-	89.7	91.6	•	93.6	96.1	96.1	96.8	4.6	97.4	4.7.4	97.4	4.16	97.4	97.4	97.4	27.4	4.79	98.1	98.1	98.1	98.1
	e VI	74.2		74.2	74.2	74.2	•	81.3	85.8	86.5	87.7	89.7	91.6	92.9	93.6	96.1	1.96	96.8	97.4	4.16	4.79	97.4	4.76	97.4	4.76	4.16	4.16	4.16	98.1	98.1	98.1	98.1
	٨١	74.2		74.2	74.2	74.2	80.0	80.7	85.2	85.8	87.1	88.4	89.7	91.0	91.6	94.2	94.2	94.8	95.5	95.5	95.5	95.8	95.5	95.5	95.5	95.5	95.5	98.5	95.5	95.5	95.3	95.5
	۸۱ ده	72.9	72.9	72.9	72.9		78.1		81.9		60	œ	0	8	87.7	00	c	89.7		80.3	0		0	90.3	90.3	90.3	90.3	90.3	6			90.3
	۰ ۸۱	63.9	71.6	71.6	71.6	71.6	76.1	76.8	79.4	80.0	81.3	82.6	83.2	84.3	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	21	52.3				56.8		60.0		62.6	63.9																	65.2		65.2		
CEILING	(FEET)	NO CEILING	V 18000	≥ 16000		≥ 12000	-	0006	1	7000		2000		4000		3000		2000		≥ 1500		1000		800		9		1 1 1		500		١٨١

155

TOTAL NUMBER OF OBSERVATIONS

0 0 0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

GLENVIEW, ILLIMUIS

73-77

21 HOURS (LST) JUL

2

CY OF OCCURRENCE	OBSERVATIONS)
PERCENTAGE FREQUENCY OF OCCURREN	(FROM HOURLY OBSERVATION

(FEET) NO CEILING																
-	5 71	۰ ۸۱	S) Al	4	e VI	≥ 2%	7 1	VI 2/1	VI %1	- -	% AI	*	% AI	≥ 5/16	VI N	٨١
	52.9	65.2	x	0.69		11.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
_	-	0	3	74.8	75.5	6.0	16.8	76.8	.0	76.8	200	16.8	0	16.8	9	76.8
18000	-	0	3	74.8		76.8	76.8	76.8	76.8	76.8	76.8		76.8	76.8	76.8	76.8
V 16000		70.3	73.6	74.8	75.5	76.8	76.8	76.8	9	76.8	•			•	.0	76.8
14000		-	4	76.1	76.8	78.1	78.1	78.1			78.1	78.1	78.1	78.1		78.1
12000		-		76.1	76.8	78.1	78.1	78.1	00	78.1		78.1		•	78.1	78.1
00001		*	03	0	2.	177	3.		3			3.			3	83.9
000	59.4	75.5		81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5		84.5
8000	7.09	76.8	80.7	2.	5	86.5	86.5		.0	9		86.5		86.5	86.5	86.5
000	-	77.4	-	83.2	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
0009	-4		-	60	86.5		88.4		00	8	8	88.4	38.4	•	88.4	
2000	61.6	78.7		84.5	87.1	0.68	6	0.68	0.68	89.0	89.0			89.0		3.68
4500	-		5	87.7		92.3	92.3	92.3	92.3	2	65.3	92.3	65.3		2.	
000	62.6		-	6.06	6.26	8.46				*	*		*	94.8	94.8	94.8
3500	N		7.1	6006	•	96.1	96.1		0	1.96	9		1.96	96.1		96.1
3000	63.2	81.9	6	91.6	8.56	4.16	1.	4.16	4.16	4.76	4.16	4.16	7.	4.76	4.16	97.4
2500	100		89.7			98.1	98.1	98.1	×	98.1	1.86	98.1	1.86	98.1	98.1	98.1
7 2000	100		6			98.1			1.86	98.1	1.86			98.1	98.1	
1800	3		0	65.6	96.1	1.86	68.7	7.86		7.86	•	28.1		98.7		
1500	63.6		91.0		8.96	4.66	4.66	4.66		4.66	4.66	7.66		4.66		4.66
1200				93.6	6	9.66	4.66	3.66		7.66	4.66	4.66				4.66
0001	6		-	93.6	8.96	4.66	5.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	6	99.4
8			91.0		96.8		7.66	4.66		4.66		4.66	•			99.4
008			-	93.6	8.96	4.66	5.66	4.66		4.66		4.66				66
200			91.0		8.96	4.66	7.66	4.66		4.66	4.66	4.66		4.66	4.66	966
9	63.9	3	91.0	93.6	96.8	4.66	4.66	4.66	4.66	4.66	4.66	4.66		4.66	4.66	99.4
200	3	10	91.0	93.6	96.8	4.66	4.66	\$ 66	4.66	4.66	4.66	4.66			6	99.4
400	63.9		91.0	3.	•		4.66	4.66	-	4.66		4.66		4.66		
300		50	-	93.6	8.96	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	99.4
200	63.9	83.2	91.0		0	4.66	5.66			20.1	•	0	0	0	0000	0001
8	3		91.0	63.6		4.66	4.66	4.66		4.66	•	00.00			00.00	0001
-		3.	-		66.8	4.66		4.66	4.66	4.66	100.001	0.00	100.001	100.001	00.00	

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0 808

94.6 95.8 97.0 91.7 98.1 6.96 ٨١ 72.2 86.6 94.6 0.76 4.66 84.8 88.5 95.8 1.66 83.9 72.2 90.5 98.1 6.86 7.66 6.96 91.7 83.9 86.5 72.2 84.8 6.96 98.8 88.4 66.3 5.66 72.6 73.8 78.8 79.4 82.9 90.2 91.6 64.5 96.8 98.0 98.6 0.66 86.3 4.66 5.66 95.7 2 5/16 72.2 78.8 79.4 88.4 6.96 0.86 98.6 98.8 0.66 66.3 72.6 83.9 3006 82.9 86.5 91.6 94.5 96.8 72.2 84.8 95.7 2 AI 85.9 9.86 66.3 2.2 73.8 84.8 98.0 8.86 0.66 83.9 88.4 9116 72.6 4.61 6.96 78.8 86.5 94.5 8.96 72.2 2006 95.7 4.66 39.5 99.5 4.66 99.3 AI 0.86 3.80 83.9 83.9 88.4 91.6 04.5 96.8 6.96 98.6 0.66 78.8 4.61 90.2 4.66 72.2 72.2 72.6 73.8 82.9 84.8 86.5 66.3 72.2 95.6 95.7 95.7 99.3 % Al 84.8 72.2 88.2 88.4 98.0 72.6 73.8 78.7 78.8 90.0 90.2 91.6 94.4 94.5 96.8 96.9 6.86 99.1 4.66 83.1 89.3 72.2 79.4 79.4 79.4 86.4 86.5 96.6 96.8 98.6 1.66 0.66 99.3 99.5 99.5 <u>-</u> VISIBILITY (STATUTE MILES) 91.5 0.66 72.1 97.8 98.5 3.66 86.3 83.7 98.2 85.8 84.7 98.7 66.3 72.5 95.7 97.6 98.6 99.1 99.2 71 7 8.76 0.06 95.6 98.8 4.98 91.5 999.0 82.8 88.2 95.6 96.5 96.8 96.9 98.0 98.4 5.86 97.6 98.6 99.0 72.5 84.7 91.9 93.2 94.1 94.4 2.86 6.86 72.1 78.7 83.7 V 1% 83.6 84.5 95.3 73.6 86.2 88.1 98.2 91.3 96.3 71.9 82.7 97.4 98.5 71.9 71.9 72.3 78.6 97.4 98.5 97.6 98.6 79.8 97.5 7.16 2.86 89.8 ۸I 74.4 48.4 72.0 62.3 86.5 87.6 96.8 78.2 78.8 84.0 81.9 83.1 85.7 85.3 88.1 89.3 1 2 1/2 86.6 89.4 90. 72.3 0.66 0.56 20.8 71.1 8.04 4.69 84.6 8.56 7.77 63.6 8.46 77.2 85.2 81.2 95.1 95.5 77.5 80.6 82.9 95.7 98.7 95.7 95.7 91.6 4.69 82.0 83.7 75.3 10.0 6.06 92.0 92.3 76.8 79.8 92.3 92.3 70.8 88.9 89.8 40.7 92.1 88.0.92.3 67.3 68.0 80.2 85.2 86.1 87.8 0.88 88.0 67.3 67.5 78.8 83.1 87.6 87.7 0.88 72.7 38.0 73.2 76.1 81.8 6.98 87.5 0.88 88.0 86.8 11 19.4 82.7 83.2 4.69 81.4 83.4 74.2 76.7 64.7 72.7 73.5 78.1 82.1 83.2 83.6 83.6 83.6 93.6 94.4 70.0 78.5 82.7 83.5 83.6 4.49 65.8 ٨١ 58.4 51.5 53.6 55.4 55.8 4.09 51.8 53.9 56.1 6.95 4.09 4.09 60.5 57.7 59.1 59.8 4.09 4.00 60.5 60.5 60.5 60.5 60.2 4.09 60.8 60.9 60.5 2 (FEET) ≥ 20000 18000 12000 9000 2000 2000 4500 3000 2500 1800 88 809 80 1200 200 88 ALAI AI AI AI AI ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

1240

200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINUIS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C C C C C C C C C C	Y	VI 8000000000000000000000000000000000000				7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	V 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Note 1 1 1 1 1 1 1 1 1	2	VI 301777777777777777777777777777777777777	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20000000000000000000000000000000000000
VI VI 80				0.0	89.0	93.6	96.1	98.1	4.66	4.66	0.00	0.001	0.00	100.00	100.0	100.001	00.00
	-		4	1	1					1			1				

TOTAL NUMBER OF OBSERVATIONS

155

1000

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	S						
(FEET)	2 1	۰ ۸۱	80	**	E AI	≥ 2%	AI	7 7%	¥1 VI	Ā	% AI	*	% AI	≥ 5/16	VI N	0 11
			54.2	58.7	1.09	61.9	62.6	62.6	62.6	62.6	9.29	62.6	9.79	62.6	62.6	62.6
≥ 20000		-	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7		4.19	67.7
		-	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000		-	58.1	62.6	65.8	67.1	67.7	67.7	1.19	67.7	1.19	67.7	67.7	67.7	67.7	67.7
			58.1	62.6	65.8	67.1	1.19	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
¥ 12000	35.5	-	58.7	63.2	66.5	67.7	4.89	4.89	4.89	68.4	4.89	4.89	4.89	4.89	4.89	4.89
1	38.7	55.3	63.9	4.69	71.0	13.6	74.2	74.2		74.2	4.			74.2	74.2	74.2
000 AI	38.7	9	65.5	1.69	72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	3	75.5	75.5	75.5
		2		76.1	79.4	61.0	2.	82.6	2		23			83.9	83.9	83.9
7000		63.9	72.9	77.4	80.7	83.2	83.9	63.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	35.2
	4	27	72.9	77.4	80.7	83.2		83.9			85.2	68.2			85.2	
2000				77.4	80.7	83.2	83.9	63.9	83.9	84.5	3		85.2	85.2	85.2	85.2
		64.5	00	78.1		83.9	84.5	84.5	84.5	85.2	85.8	85.8	5	85.8	85.8	85.8
4000		65.8		80.0	83.2	85.8	87.1	87.1	-	87.7		88.4	•	88.4	88.4	88.4
		9		80.7	83.9	86.5	87.7	87.7	87.7	88.4	89.0	0.68	0.68	89.0	89.0	89.0
3000	47.1	67.1	76.8	81.3	84.5	87.1	88.4		89.0	6	6.06	80.3	0	8.06	8006	6.06
		-		61.0	85.2	7	0.68	89.7	6		0.16	0.16	91.0	91.0	91.0	91.0
> 2000		6		84.5	89.7	92.3		2.46	34.5	8. 76			3		95.5	62.6
7 1800	47.7	69.7	79.4		89.7	92.3		2.46	2.46	8.76	62.5	35.5	5	95.5	95.5	95.5
1500	48.4	0	80.0	85.8	0.16	93.6	94.8		5	•	8.96	8.96	8.96	8.96	8.96	96.8
	48.4	0	80.7	86.5	91.6	24.5	68.5	1 . 96		8.96						
× 1000	48.4	70.3	80.7	86.5	91.6	2.46	1.96	90.96	8.96	4.16		1.86		98.1	1.86	98.1
8	48.4	0	80.7	86.5	91.6	34.5	96.1	9.96	8.96	4.16	98.1		1.86	98.1	1 . 86	
88		0		86.5	91.6	34.5	96.1		8.96	4.16		1.86		98.1		98.1
		0	80.7	86.5	91.6	2. 56	96.1	96.8		4.16	98.1		1.86	98.1	98.1	98.1
00 AI		.0	80.7	86.5	65.3	94.8	96.8	4.76	4.16	98.1	1.86	98.7	98.7	98.7	7.86	48.7
200		0	80.7	86.5	65.6	5.56	91.6	1.86		4.66	0.00	0000	0	10.00	0	0.00
N 400		70.3	80.7	86.5	65.6	95.5	4.16	98.7	68.7	66.41	00.00	00.00	00.00	10.00	00.00	0.00
		0	80.7		65.6	95.5	4.1.6	1.86	1.86	14.66	00.00	00.00	00.00	10.00	00.00	0.00
700	4.84		80.7	86.5	65.6	65.5	4.16	98.7	7.86	99.41	00.00	00.00	00.00	00.00	00.00	0.00
8	48.4	ċ	80.7			95.5	4.16	186		14.66	00.00	00.00	00.00	00.00	00.00	0.00
	48.4	70.3	80.7	86.5	6.26	98.5	97.4	48.7	98.7	99.41	00.00	00.00	00.00	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

12895-06181

577/

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

77-57

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) AUG

SORE

SALING S							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5 71	% AI	S) Al	AI	e Al	> 2%	7	71 71	71 71	-	% AI	*	Z Al	≥ 5/16	AI AI	0 11
NO CEILING			40.0	43.2	47.1	203	54.8			6	57.4			6		6
> 20000	27.7	-	44.5	4.84	52.9	39.4	61.3			63.2	63.9		65.8	3	65.8	65.8
	7.		44.5	48.4	52.9		61.3	63.2	3	•	63.9	F-200	65.8	•	65.8	65.8
V 16000		6.14	44.5	4.84	52.9	29.4	61.3	63.2	63.2	63.2	•		8.59	65.8	65.8	65.8
	7.		. 4.	48.4			61.3	63.2		63.2	63.6	65.2	65.8	65.8	•	65.8
2 12000	27.7	43.2	45.8	49.7	54.5	60.7	62.6	65.2	65.2	65.2	65.8		67.7	67.1	67.7	67.7
V 10000			0		58.7		67.7	70.3	0	70.3	•	72.3	72.9	72.9	72.9	72.9
> 2000	29.7	7.	51.6	55.5	0.09		0.69	-	71.6	-	72.3	3.	74.2		74.2	74.2
			5.	7.65	63.9	70.3	•	76.8	0	76.8	77.4	78.7	6	79.4	4.64	79.4
2 7000	31.0	50.3	55.5	29.4		71.0	74.2	1.	77.4		78.1		0		0	80.0
	31.0	50.3	55.5	50.4	64.5	71.6	+	78.1	8	•	00	80.0	80.7		80.7	80.7
2000	32.9		8	62.6	4.89		78.7	-	81.9	81.9	82.6	6				
		*	6	63.2	6		79.4	2	82.6	5		. 5	•	85.2	85.2	85.2
141		54.2	-	100		76.8	90.0	6		83.2	3	85.2		5		
			-	65.2		78.	81.9	85.2	85.2	25	5		87.7	87.7	87.7	87.7
3000	34.8	57.4	62.6	67.1	73.6	61.3	84.5	•	87.7		4.88		91.0	91.0	91.0	91.0
1			-	67.1	73.6	61.3			87.7	67.7	88.4			•	-	91.0
> 2000		58.7		4.89			85.8	89.0	89.0			91.0		5	5.	
		58.7	-	4.83		95.6	9.00		89.0	0	0			5	2.	
> 1500		58.7	63.9	63.4	74.8	82.6	85.8	0.68		89.0	800.3	91.6		65.6	65.6	95.9
			. 4	0.69	75.5	50		89.7		0	-	2.		3.		93.6
1000		58.7	64.5	69.7	.9	*	87.7	0.16	91.0	91.6	2	34.5		95.5	62.5	95.5
% AI		58.7		69.7		84.5	87.7	91.0	91.0	91.6	5		5	•	•	
		58.7	•		76.8	4	87.7	91.0	-	-	2.	*	95.5	95.5	95.5	95.5
		59.4	65.2		77.4	85.2	88.4	91.6	9116		93.6		1 . 96	1.96	1.96	1.96
009		59.4	-	70.3	77.4	.0	89.7	6.26	•	93.6	94.8	96.1	4.16		4.16	97.4
200			65.2	70.3	77.4	86.5	89.7	6.26	65.6		•		4.16	97.4	4.16	
1 400	35.5		3	70.3	77.4	•	89.7	2	5	*	95.5	8.96	1.86	98.1	98.1	
300	35.5	59.4	2.59	•	77.4		89.7		3	*	96.1	4.16		8	1.86	98.7
ام الم	35.5		65.5	70.3	77.4	86.5	89.7	9	93.6	5		98.11	00.00	00.00	0000	00.00
VI 8		6	65.2	70.3	77.4	86.5	80.7	93.6	93.6	95.5	96.8	-		10000	0000	0000
٨١	35.5		65.2	•	77.4	86.5	89.7	93.6	93.6	5	96.8	98.11	00.00	0.00	0000	0000

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEALMET

0 0 0 0

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

14855

1552

73-77

AUG

				PERCENTAGE (FROM H	INTAGE (FROM	FREQUE HOURLY		NCY OF OCCUR!	OF OCCURRENCE ERVATIONS)	RENCI					0.9 HOURS (1.5.T.)	
CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	٨١	8	۸۱ ۱	۸I	> 2%	7	Y1 2%	¥1 ¥1	Ā	% Al	*	% Al	≥ 5/16	× Al	0 11
NO CEILING			47.1	51.0	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	51.4	57.4	57.4	57.4
≥ 20000			53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
N 18000			53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	30.3	•	53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2 14000			. 4	58.1	63.9	2.59	2.59	65.2	65.2	65.2	65.2	65.2	2.59	65.2	65.2	65.2
≥ 12000			54.8	58.7	64.5	66.5	66.5	66.5	66.5	66.5	66.5	69.9	66.5	999	66.3	60.9
N 10000			58.7	63.9	1.69	12.9	73.6	73.6	73.6	73.6	13.6	13.6	13.6	13.6	73.6	73.6
0006			58.7	63.6	1.69	72.9	73.6	73.6	73.6	73.6	13.6	73.6	73.6	73.6	73.6	73.6
			6.19	67.7	73.6	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
× 7000			63.2	0.69	75.5	79.4	80.0	80.0	80.0	80.0	90.0		80.0	80.0	80.0	80.0
			3	0.09	78.5	0	80.0	80.0	80.0	80.0		ċ	80.0	0.08	80.0	30.0
> 2000			65.8	71.6	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
			66.5	N	78.7	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
× 4000			67.1	72.9	19.4	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
> 3500			0.69	74.8	81.3	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
			71.0	77.4	83.9	87.7	39.0	89.0	89.0	89.0	89.0	89.0	89.0	0.68	89.0	89.0
			-	77.4	83.9	87.1	89.0	0.68	0.68	89.0	0.68	0.69	89.0	89.0	89.0	89.0
≥ 2000			72.9	10.4	85.8	89.7	0.16	91.0	91.0	91.0	0.16	0.16	91.0	91.0	0.16	0116
V 1800			*	0	86.5	8006	91.6	91.6	91.6	91.6	91.6	9116	9116	91.6	91.6	91.6
			75.5	81.9	88.4	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
			76.1		6006	84.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	2	95.5	95.5
0001 <			76.1	82.6	0116	8. 56	1.96	1.96	1.96	1.96	1.96	96.1	1.06	1.96	1.96	1.96
0%			76.1	N	91.6	98.5	4.16	4.76	4.16	97.4	4.16	4.16	4.16	4	4.16	4.16
00 Al			1001	82.6	91.6	96.1	98.1	98.1	98.1	98.1	98.1	-	98.1	98.1	98.1	98.1
700			76.1		91.6	1.96	98.1	98.1	98.1	98.1	1.86	93.1	98.1	_	98.1	1.86
			1.97	82.6	91.6	96.1	7.86	98.7	48.7	98.7	7.86	28.1	7.86	~	7.86	7.86
200					65.3	8.96	4.66	4.66		4.06		4.66	4.66	4	4.66	4.66
			16.8		65.6	97.4	0.00	0.0010.0	00.00	00.00	00.00	0	00.00	0	00.00	0.00
300					65.6	97.4		100.00	0.00	0.00	00.00	0		0	00.00	0.00
			20.0	83.5	6.76	3.	0.00	00.001	0000	0.00	00.00	0		10.00	00.00	000
8	41.3	71.0	76.9		2	- 1	0	0000	0.00		00.00	0		00000	0000	0.00
	•	•	0.07	2.68	92.9	31.4	0.00	0000	00.00	0000	00.00	00.00	00.00	00.00	00.00	000

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINUIS

14855 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2

AUG

CEILING								VISIBILITY (STATUTE MILES)	NIOIE WIL	(Ca						
(1)	0 1	۰ ۸۱	۶۰ ۸۱	A I	ε Al	2 2 %	1 2	V 1%	VI 7.	Ā	% AI	*	× AI	≥ 5/16	VI 74	0 1
NO CEILING	-	6	1.12		6	0		0	0	ċ		0		0		0
000	5	0	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
000	3	0	4	. 9	9	7	57.4	1.	•	7.	•		•		-	57.4
16000	35.5	0	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
000	5	0	4	0	56.8			-		7					•	
12000	9	:	5	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7		58.7
8	-	9	0	-	4	5		5.		5		3	5	5		3
0006	41.9	56.8	0		64.5	65.2	65.5	65.2	65.2	65.2	65.2		65.2	65.2	65.2	65.2
8	-	00	-	100	6	-	:	7	7.		-	7	1	-	7	7.
2000		0		-	4.89	6	1.69	69.7		6		6		6	69.7	69.7
000	3	6	1		6		0	0	0	0	0	0	0	0	0	0
2000		0		-	72.3	100	73.6	73.6	73.6			*	74.2	4	74.2	*
8	0		67.1	-	3	4	3		4		4	4.				
4000	-	15	69.7	-	76.8	78.7	78.7	8	78.7	00		6	6	6		6
900	47.7		71.6		00		0	0			-	81.3	-	-	-	
3000	51.0	2.	76.8		85.2	-	87.1	87.1	87.1			7	87.7	-	87.7	87.7
8	3	3	8.		7	6	6	6		6		6		6		6
2000	N	5	0		88.4	0	6006	0	90.3	ċ	-	-	-	-	-	-
8	52.9	75.5	0			90.3		0	0			91.0	91.0	-	91.0	91.0
1500	4	-	82.6	6	91.6	60	5	2.46	2.46	4		;	4	;		;
8	54.8		83.2			94.2	8.76	*		4		95.5	95.5	95.5	95.5	95.5
000	*	78.7	84.5	-	6	:0	66.1	1.96	96.1	96.1		. 9	0	9	9	. 9
8	4	0						00		8	7.86	7.86		8	98.7	98.7
800	54.8	80.0		~	65.5	-	98.1		98.1	98.1	8		7.86			
82	*	0		2.				8	7.86			4.66		4.66	•	4.66
9	*		5	2	95.5	97.4	98.1	8		80	•		4.66	6		99.4
200	*	0		2			2	7.86	7.86	60	4.66	7.66	4.66	4.66	4.66	4.66
90		ċ			95.5	1	98.1	6	4.66	6	10.001			100.00	0	0.00
300		0	5	2	95.5		98.1		4.66		100.001	00	00	0	•	0
200	54.8	80.0	10	92.9	95.5		8	4.66	4.66	122	0		0	100.001		0.001
8		0		2.		4.16	98.1		4.66	99.41	0	00	0.00	0	0.001	
•			-			200		4			-	-				

TOTAL NUMBER OF OBSERVATIONS

155

0071

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

14855 STATION

15 HOURS (1.5.7.)

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AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	Y	3.6 53.6 53.6 5	0.09 0.	0.09 0.09 0.0	0.0 60.0 60.	1.3 61.3 61.3 6	.2	.5 66.5 66.5 6	67.7 67.7	71.6 71.6 71.6 71.6	71.6 71.6 71.6 71.6	.6 71.6 71.6 7	.1 78.1 78.1 7	8.1 78.1 78.1	3.2 83.2 83.2	.2 85.2 85.2	9.0 89.0 89.0	2.3 92.3 92.3	6.1 96.1 96.1	6.1 96.1 96.1	96.1 96.1 96.1 96.1	8.96 8.96 8.9	8.1 98.1 98.1	6 7.66 7.56 7.	4.66 4.66 4.	6 7.66 7.66 7.6	4.66 4.66 4.	.0010.	10.0010.0010.	010.0010.0	0.0000000	•	00.0010.0010.0010.00
	*		0	0	0.09	-	3	66.5		-		71.6	78.1	78.1	83.2			92.3	96.1	1.96	1.96	8.96	98.1	4.66	4.66		4.66		100.00	0	•		10000
	% Al	53.6	60.0		60.0		65.2	66.5		71.6	71.6			78.1	33.2	85.2	89.0	2		1.96		96.8	1.86	4.66	4.66	4.66	4.66	100.0	100.0	100.0	100.0	100.0	0.001
LES)	ŽI	53.6		0	0.09	-	65.2	9	67.7	71.6	71.6	71.6	78.1	78.1		m	88.4		95.5		95.5	96.1	-	98.7	98.7	7.86		4.66	4.66	4.66			4.66
ATUTE MII	71	53.6	0.09	0	0.09	-	65.2	66.5	67.7	71.6	71.6	71.6	73.1	78.1			88.4			5.	95.5	.0		7.86	•		98.7	4.66	4.66			4.66	4.66
VISIBILITY (STATUTE MILES)	٧١ ٧٧	3	0.09	0	0.09	-	5		67.7	71.6	71.6	71.6		78.1	83.2		88.4	91.6	95.5	95.5	95.5	1.96	4.16	98.7	98.7	98.7	98.7	4.66	4.66	7.66	99.4	4.66	99.4
XIS	7	53.6	60.0	0	0.09		65.2	66.5	67.7	71.6	71.6	71.6	78.1	78.1	83.2		88.4	9.16	95.5	95.5		96.1	97.4	98.7	98.7	98.7	98.7	7.86	98.7	98.7	98.7		98.7
	2 2%	, rr	0.09	0	0.00	-	65.2	66.5	67.7	71.6	71.6	71.6	78.1	18.	82.6	84.5	87.1	89.7	93.6	3	93.6		94.8	96.1	96.1	96.1	96.1	96	96.1	1.96	96.1		96.1
	٨١	3	60.0	0	0.09	61.3	65.2	66.5	67.7	71.0	71.0	-	76.1	76.1	80.7	82.6	35.2	87.7	91.6	9.16	91.6	91.6	92.9	94.2	94.2	. 4	3.46	+	34.5	. 4	. 4		94.5
	4	53.6	59.4	0	20.4	60.7	64.5	65.8	67.1	70.3	70.3	70.3	74.2	74.2	78.1	80.0	82.6	84.5	88.4	88.4	88.4		0.68	6.06	80.3	90.3	80.3	90.3	90.3		90.3	0	90.3
	5 3	52.9	58.3	58.7	58.7	•	63.9		66.5		•		•	72.9	•		•	:	87.1	87.1	87.1	87.1	87.1		88.4		•		88.4		88.4	88.4	•
	۰ ۸۱	50.3	53.5	55.3	55.5	56.8	60.7	61.9	63.2	65.8	65.8	65.8	1.69	1.69	72.9	74.8	77.4	78.7	82.6	32.6	82.6	82.6	82.6	82.6	82.6	82.6	85.6	82.6	82.6	82.6	82.6	95.6	82.6
	2	37.4	41.9	41.9	41.9	42.6	46.5	47.7	0.64	50.3	50.3	50.3	53.6	53.6	54.8	56.1	58.1	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
CEILING	(FEET)	NO CEILING	N 20000		≥ 16000		2 12000	1	0006	1	7000		2000		4000		3000	1	7 2000		1500		001		8		8		400		200	8	- 1

TOTAL NUMBER OF OBSERVATIONS

155

AUG

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINDIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 HOURS (1.5.7.)

	0 11	54.8		4.89		0.69	71.0	75.5	76.1	81.3	83.2	83.2	87.1	87.1	87.7	89.0	91.6		94.8		97.4	97.4	1.86		98.1	98.1	4.66	\$. 66	0.00	0.00	0.00	0.00	0.00
	× 11	54.8	68.4	68.4	4.89	6	71.0	75.5		•	83.2	83.2	:	87.1	1.18	0.68	-	6.26	*	1.96	9.16	4.16	98.1	98.1	98.1	1.86	7.66	4.66	10.00	4	10.00	10.00	00.00
	5/16	8.4	8.4	4.	4.8	0.6	-	5.5	6.1	1.3	3.2	3.2	7.1	7.1	7.7	0.6	1.6	5.6	4.8	6.1	7.4	7.4	3.1	8.1		98.1	4.6	4.6	0.0	10.0	0.0	0.01	0.01
	AI %	4.8 5	8.4 6		8.4 6			5.5	1.9	-	3.5	3.2 8	-:	7.1 8		•	_	5.99	8	6 1.9	4.	7.4 9	8.1 9	-	8.1		6 4.6	6 4.6	0	0.010	.01		0.000
	*	4.8 5	4.	8.4.6	4.	9 0 6	0	5.5 7	. 1		3.2 8	3.2 8		7.1 8	. 7	9.0 8	1.6 9	5.99	8	6 1 9	4.	7.4 9	8.1 9	8.1.9	8.1 9	-	4.	6 7.6	10.	0	10.	0.	0.000
	*	4.8 5	4.	9 4.		0	-0.	1	.17	•	3.2 8	3.2 8	7.	00	.7 8		5	6 6.	6 8.	6 1.	6 4.	6 4.2		.19		7.	4	9.4 99	10.	•	0.010	0.000	00100
	AI	.8	4.	9 4.	.4	0.	-0 -	.5 7	.17	.3	.2 8	.2	.1 8	7.	.7 87	.08	6 9.	6 6.	. 8	.19	.40	6 4.	.1 9	.1 98	.19	.19	.7 99	66 4.	0014.	.4100	.410	.4100	.4100
E MILES)	¥1	.8 54		89 %.	.4 68	0	.0 71	.5 75	-	00	.2 83	80	.1 87	œ	.7 87	68 0.	9	0	\$6 8.	.1 96	.4 97	16 91		86 1.	.1 98	.1 98	.7 98	.7 98	66 5.	66 5.		66 4.	66 4.
VISIBILITY (STATUTE MILES)	٧١ ١ ٢	8 54	69 4	1 68	4 68	9	17 0	5 75	1 76	œ	.2 83	00	1 87	80	7 87			6 92		1 96	4 97	16 4.		1 98	1 98	1 98	36 4.	86 2	66 5	66 5	66 5	66 7	66 4
VISIBILITY	AI .		4 68	•	4 68	-	0 71,	5 75	1 76		2 83	20	1 87	8	7 87	68	16 9		8 94	1 96	4 97	4 97.		1 98	96	1 98	7 98	7 98	66 4	66 +	66 \$	66 +	66 4
	AI AI	8 54.	7 68.	7 68	7 68.	0	3 71.	8 75.	~		83.		2 87.		8 87	_	0	3 92.	0		0	8 97.	5 98.	5 98.	5 98.	98	1 98.	1 98.	8 99.	8 99.	8 99.	8 99.	8 99.
	1 2%	1 54.	67.	67.	67.	68	0	74.	75.	80.	-	-	85.	835	85.	87.	89	90.	92.	93.	94.	94.	95	. 58	95.	. 85.	. 96	_	96		. 96	9	96
	ε Al	54.8	9	67.	67.	67.	69	73.	-	78.	80.	80.	æ	63	•	85.8	87.1	88.4			92.	92.9	93.6		93.6		94.2	34.6	94.2	34.	94.2	94.	94.
	AI	54.2	66.5	66.5	66.5	67.1	0.69	72.3	72.9	77.4	79.4	79.4	81.3	81.3	81.9	83.2	84.5	85.8	86.3	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	4.68	88.4
	SS AI	52.3		*	64.5	5	67.1	70.3		74.8	.9		78.7		79.4	80.7	81.3	32.6			84.5	84.5	84.5	84.5	84.5	34.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	۰ ۸۱	51.6	63.9	63.9	63.9	64.5	66.5	69.7	70.3	74.2	76.1	76.1	78.1	78.1	78.7	80.0	80.7	61.3	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	0 1	36.3	46.5		46.5		49.0		50.3				55.5		55.5	56.8	56.8	56.8	36.8	57.4	57.4	57.4		57.4	57.4		57.4	57.4	57.4	57.4	57.4	57.4	57.4
CEILING	(FEET)	ON. 30 ON	2008		> 16000		≥ 12000		000 AI	,	7000		2000		400		3000)	7 2000	1	1 1 200		8		008 AI		8		400		30	8	٥

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG

200

21 HOURS (1.5.7.)

CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES)	(\$:						
(FEET)	V 70	9 11	\$ 1	*	6 1	≥ 2%	7 1	¥1 ¥1	71	ĀI	% Al	*	8 1	2 5/16	AI AI	٥
NO CEILING	0							5	5		5.	3.	5.	50	5	65.8
≥ 20000	2			66.5	0.69	72.3	72.3	2		72.3		2			72.3	72.3
	2			60.9	6			2.		2.	2	2	2.	2.	2.	72.3
16000	2			6.99	6	•	72.3	72.3	•	72.3			72.3		72.3	72.3
	100			67.7	70.3	•		3		3		3		3		
7 12000	;		67.1	69.7		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
-	9			73.6		0		6		6		6	0			
000	.0			73.6	9	80.0	0.08					0	0		0	
	O				81.3		127	5	5	5	5	5	5	5		5
7000	0		76.1	78.7		5	85.8	85.8	85.8	85.8		5		85.8	5	85.8
	0			78.7	81.9		5	5.				5	5	5		
2000	-			82.6	•	0.68	4.68			0	6	6		89.7	89.7	89.7
	-			2.	85.0		6	5	0	6	6	5		6		
4000	N			83.9	87.1	90.3	0.16	91.0	91.0	91.0	0.16	-		91.0	91.0	91.0
	N			84.5	87.7	•		91.0	-	-		-		-		
3000			81.3	84.3	1.18	-	91.6		9116	-	9116	91.6	91.6	-		91.6
	0				6		6.26	2	2	N		2		2		2.
2000	10			87.1	90.3		94.2		•	*		*		. 4		
1800	0			87.7	0.16	4			8.46		*		*	8. 56	4	8.76
1500	;	77.4			92.3	15	96.1	1.96	•	96.1	1.96	1.96		96.1	1.96	
	•			0.68	65.3	0				•	8.96	9	. 9		8.96	8.96
1000	+			0	6.76	8.96		4.16	4.16	4.16	4.16	4.16	4.16	97.4		97.4
	*	78.1		89.7	6.26		4.16	4.16	4.16		4.16	4.16	4.16	4.16		4.16
800		78.1	85.8		6.76	.0	4.16	4.76	4.16	4.46	4.16	4.16	4.16	4.76	4.16	97.4
		78.1		89.7	65.6	96.8	4.7.6	97.4	4.16	4.16	4.16	4.16	4.16	4.16	4.16	97.4
9	;	78.1			93.6		8		•	1.86	7.86	18.1	1.86	98.7	7.86	7.86
		78.1		89.7			7.86	1.86	48.7	48.7	7.86		48.7	7.86	48.7	7.86
7 400	;	78.1			93.0	97.4	68.7		48.7	48.7	1.86	28.1	98.7		4.66	4.66
		78.1	85.8	89.7	93.6	•		8	48.7	•	98.7	00	48.7	4.66	7.66	4.66
1 200	54.5		85.8							77.		6	4.66	00.00	0000	0.00
71		78.1	82.8	89.7	93.6	4.16	7.86	4.66	4.66	4.66	4.66	4.66	14.66	0000	0000	0.00
	*	0						_	4.66	-	4.66	6	4.66	00.00	10.00	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

RRENCE	(S)
DOCCI	VATION
ACY O	OBSER
FREQUE	(FROM HOURLY OBSERVATIONS
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM I

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	N 20	۰ ۸۱	\$ 1	٨١	S AI	2 2%	7	۲۱ ۲۱ ۲۷ ۲۸	¥1 Y	- Al	% Al	*	Z Al	≥ 5/16	N N	0 1
NO CEILING	34.0	47.9	51.3	*	56.2			58.4	58.4	8	58.6	æ .			58.8	
7000	-			0	63.1	. 45	65.3	65.7	0	1 . 59	3				66.1	
V 18000			57.3	4.09	63.1	•	65.3	65.7	2	1.59		•	1.00		1099	
	1		57.3	4.09	63.1	64.8	65.3	65.7	65.7	65.7	65.8	9		66.1	66.1	66.1
	3		57.7	01.0	63.6	4.50	6.59	2.99	5000	66.3	66.4	66.5		9.99	9.99	9099
¥ 12000	6		59.3	65.5	65.2	67.1	67.7	68.1	68.1	68.2	68.2	4.89	68.5	68.5	68.5	68.5
	41.7	59.0	63.2	66.8	69.5	71.8	72.5	72.9	72.9	73.0	73.1	3		73.3	73.3	73.3
000			63.8	67.3	70.2	72.4	73.2	73.6	73.6	•	73.7	3				74.0
			67.7	71.5	74.4		77.9	78.4		78.6	78.7	8	6	0	79.0	79.0
7000	44.7		9.89	72.5	75.5	78.2	79.2	79.7	79.7	79.8		80.2	80.2	80.2	80.2	80.2
1	*		58.7	72.7	75.7		79.4	6.64	46.61	80.1		80.4	80.5	0	80.5	80.5
2000	40.4		71.1	75.1	78.6	81.3	82.6	63.1	83.1	-	83.5	83.6	83.7	83.7	83.7	83.7
			71.5		29.0		83.0	83.5		83.6	83.9			84.1	84.1	84.1
4000	47.5		73.2	77.3	81.0	84.0	35.2	85.7	85.7	5	86.1	86.3		9	86.4	86.4
	48.4		74.5	78.7	82.3		86.6	87.1	87.1	87.3	87.5	87.7	87.7	87.7	87.7	87.7
3000	49.1		76.1	80.7		87.6	0.68	89.6	9.68	•	1.06	2.06		0	4.06	4.06
	0		77.3	6 . 18	85.7	98.9		91.0		91.1	•		8.16	91.8	91.8	91.8
7 2000				83.8	87.7	ċ	4.26	93.0	3	93.2	3	93.6		3	93.8	93.8
	50.5	73.6	0.64	83.7	88.1	91.2	92.7	93.3	63.3	93.8	93.8	0.76		*		94.1
1500	0		80.0	84.9	89.4	2	2.56	94.8	*	6.46	95.3	62.5	95.7	95.7	95.7	95.7
	0		80.4		66.68	93.2	. 4	65.5	95.5	48.7	1 . 96		90.4			4.96
0001 71	0		80.7	85.7	1.06	5	95.8	4.96	96.4	9.96	0.76			97.3	97.3	97.3
00 AI	0		81.0	86.1	91.1	4.46	4.96	6.96		2.16	•	1	1.	1.		97.9
00 8 A	0		81.0	86.1	91.1		80.0	0.76	97.0	97.3			0.86		0.96	0.86
	0		31.1	86.2	91.2	94.6	96.5	97.2	97.2	4.16	97.8		98.5	98.2	98.2	98.2
009	0		81.1	85.2	91.5	95.1	97.2	8.16	97.8	98.1	98.6	28.7	6.86		68.8	98.9
2 500	0		81.1	86.3	91.7	5.5	8.16	3.86	98.2	4.86	6.86			0	366	99.2
7 400	0	75.1	81.1	86.3	91.8	4.56	97.5	4.86	98.4	8	2.66	4.66	5.66	9.66	98.66	99.66
	0		81.1	. 9	91.8	•	97.8			8	•	66.5	•	8.66	8.66	99.8
2 200	0	75.1	81.1	86.3	91.8	4.56	97.5	98.0	98.6	0.66	66.2		6	10000	0.001	0000
VI 81	.0	75.1	81.1	. 9	-	•	1.		00	•	•	2.66		10000	0.001	0.001
٨١	50.8	75.1	81.1	86.3	91.6	95.4	97.5	98.6	98.6	0.66	66.5		16.66	100.00	0.001	0000

TOTAL NUMBER OF OBSERVATIONS

1240

0 0 0 0 0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

00 HOURS (1 S T) SEP

1111

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
(FEET)	5 71	9	8 1	1	6 Al	≥ 2%	2 4	۲۱ ۲۲	VI 7.	- AI	N N	*	Z AI	≥ 5/16	NI N	٨١
	44.7		24.7	56.7	-	57.3	58.7	58.7	58.7		59.3	6	6		66.65	59.3
≥ 20000	47.3	55.	57.3	59.3		0.09	61.3	61.3	61.3	62.0	62.0	2.	62.0	65.0	62.0	62.0
	47.3	55.	57.3	59.3	0.09	0.00	61.3	61.3	61.3	62.0	62.0	2	62.0		62.0	62.0
≥ 16000	47.3	55.	57.3	59.3	0.09	0.09	61.3	61.3	61.3	62.0	62.0	5	62.0		62.0	62.0
	47.3	55.	57.3	59.3		0.00	61.3	61.3	61.3		62.0	65.0	0.29	65.0	62.0	62.0
≥ 12000	48.0	57.	28.3	61.3	62.0	62.0	63.3	63.3	63.3	0.49	0.49	0.49	0.49	0.49	0.40	64.0
	53.3	62.	64.7	1.99	67.3	67.3	68.7	68.7	68.7	69.3	69.3	66.3	69.3	69.3	69.3	69.3
0006	53.3	62.	64.7	66.7	67.3	67.3	68.7	68.7	68.7		69.3	66.3	69.3	69.3	69.3	69.3
	58.0	99	70.7	72.7	73.3	13.3	74.7	74.7	74.7	1	•		75.3	31	75.3	
7000	61.3	72.	24.0	76.0	7.97	76.7	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	61.3	72.	74.0	76.0	76.7	16.7	78.0	0.87	78.0	78.7	78.7		78.7	78.7	78.7	78.7
2000	63.3	74.	•	80.7	81.3		82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	0.40	16.	80.7	82.7	83.3	63.3	84.7	84.7	84.7	85.3	85.3	65.3	85.3	85.3	85.3	85.3
800	64.7	76.	95.0	34.0	85.3	85.3	86.7	100	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	68.3	77.	82.7	84.7	86.0	86.7	88.0	୍. ୫୫	0.88	88.7	88.7	88.7	88.7		88.7	88.7
3000	0.99	78	83.3	86.0	87.3	88.0	89.3	89.3	89.3	ċ	0.06	0.06	0.06	.0	0.06	0.06
	67.3	19.	84.7	87.3	88.7		1.06	40.7	1.06	91.3	-		611.3	91.3		91.3
2 2000	67.3	79.	84.7	87.3	88.7	89.3	2.06	7.06	40.0	-		:	61.3	-	•	91.3
	67.3	90	85.3	84.0	89.3	0.06		91.3	6116	92.0	0	92.0	0.26	92.0		95.0
1500	67.3	80.	20	88.0	89.3	30.0	61.3	91.3	61.3	92.7		92.7	92.7			92.7
	68.0	80.	86.0	88.7	0.06	90.7	92.7	92.7	92.7	0.46	0.46	0.46	0.46	. 4	0.46	0.76
V 1000	0.89		-	91.3	65.1	93.3	95.3	95.3	95.3	1.96	1.96	1.96	1.96	96.7	2.96	16.1
	0.99	82.	88.0	61.3	92.7	93.3	6.56	95.3	6.56	1.96	1.06	496.1	1006	9		1.96
008 AI	68.0	82	88.0	91.3	92.7	93.3	95.3	65.3	95.3	1.96	2.96	1.96	1.96	1.96	1006	96.7
	0.80	82.	88.0	61.3	45.7	93.3	95.3	65.3	95.3	1.96	1.96	1.96	46.7	46.7	1.96	96.7
009	0.89	82.	68.0	91.3	45.7	93.3	95.3	65.3	6.56	2.96	1.96	2.96	1.96	1.96	1006	96.7
	0.89	82.	0.88	91.3	92.7	0.76	0.96	0.96	0.96	6.16	61.3	97.3	6.16	97.3	97.3	6.16
V 400	68.0	82.	88.7	0.26	63.3	24.7	46.7	1.96	1.96	98.0	98.0	98.0	98.0	0.86	0.86	98.0
	0.89	82.	88.7	0.26	63.3	94.7	1.96	97.3	97.3	7.86	48.7	48.7	18.1		1.86	98.7
1 200	68.0	1	88.7	0.26	63.3	24.1	7.96	6.16	6.16	7.86	7.86		7.86	98.7	66.3	86.66
8	68.0	82.	****	92.0		1.56	1.96	6.16	6.16		28.1		7.86	98.7	66.31	0.00
- 1	68.0	82.	88.7	92.0	93.3	64.7	1.96	97.3	97.3	98.7	1.86	98.7	18.1	98.7	99.31	0000

TOTAL NUMBER OF OBSERVATIONS

288

SMOS DIRNAVOCEANMET

78

99.3100.0100.0

0.0010.0016.66

66.3

98.7

0.86

0.86

0.86 0.86

0.96

0.96

86.0

96.0

0.96

91.3

86.0

82.0

80

96.0

0.96

86.0 91.3

0.86

99.3

0.86

98.0

97.3 97.3

61.3

6.76

97.3

97.3 97.3

7.96

96.7

7.96

2.46 94.7

64.7

86.0 90.7

82.0

62.7

94.7

90.7

86.0

82.0

62.7 62.7 62.7 62.7 62.7

88

AI AI

88

AI AI

97.3

81.3

97.3

96.7 97.3

96.7

7.96

97.3

97.3

98.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

YEARS

SEP

I

0.3 HOURS (1.5.T.)

79.3 78.0 75.3 85.3 89.3 62.0 71.3 73.3 81.3 82.7 87.3 0.06 91.3 93.3 0.96 0.96 0.09 0.96 60.0 94.7 AI 78.0 85.3 0.06 0.96 87.3 62.0 79.3 82.7 0.09 75.3 89.3 63.3 0.96 0.96 0.09 73.3 31.3 1.46 91.3 0000 0.09 7.96 64.7 64.7 71.3 ٨١ 0.09 71.3 78.0 89.3 0.06 0.96 0.09 75.3 85.3 87.3 7.46 0.96 0.96 58.0 0.09 62.0 73.3 63.3 79.3 91.3 0.09 81.3 82.7 64.7 64.7 0.09 0.09 78.0 85.3 87.3 87.3 62.0 89.3 89.3 96.0 96.0 96.0 96.0 19.3 90.0 0.96 0.96 0.09 73.3 81.3 0.09 71.3 75.3 82.7 93.3 94.7 7.96 64.7 64.7 ٨١ 78.0 85.3 0.96 0.96 73.3 75.3 79.3 71.3 81.3 82.7 93.3 0.09 0.09 0.09 62.0 1.49 64.7 0.06 94.7 94.7 7.96 91.3 ٨١ 63.3 29.3 58.0 64.7 88.7 88.7 89.3 89.3 0.06 91.3 0.96 0.96 0.09 62.0 71.3 0.09 0.09 73.3 95.3 96.0 96.0 60.0 0.09 75.3 75.3 77.3 78.0 78.0 81.3 85.3 85.3 82.7 86.7 86.7 87.3 87.3 64.0 64.7 64.7 ۸۱ 64.7 92.7 93.3 0.09 0.09 79.3 82.0 82.7 91.3 71.3 73.3 89.3 90.0 7.96 62.0 81.3 7.46 0.46 ٨١ VISIBILITY (STATUTE MILES) 59.3 78.7 95.3 61.3 0.96 59.3 0.49 65.3 80.7 74.7 84.7 7.06 70.7 ¥2 12 77.3 5000 0.46 61.3 65.3 0.49 70.7 82.0 59.3 0.49 0.96 72.7 74.7 78.7 80.7 84.7 89.3 89.3 40.7 65.3 65.3 92.7 92.7 7 1% 95.3 82.0 0.76 95.3 0.96 59.3 59.3 77.3 88.7 95.3 84.7 0.49 7007 78.7 80.7 59.3 0.49 72.7 74.7 7.06 61.3 86.7 ۸I 0.76 63.3 76.0 83.0 0.46 77.3 0.46 72.0 14.0 83.3 87.3 0.46 0.0 89.3 91.3 92.7 58.7 63.3 85.3 80. 500 09 83.3 0.46 87.3 61.3 0.46 72.0 76.0 77.3 79.3 58.7 63.3 10.0 74.0 85.3 0.46 89.3 92.7 80.7 88.0 94.0 63.3 60. N Al 74.0 77.3 89.3 0.06 68.0 80.0 0.06 70.0 75.3 38.0 0.06 0.06 61.3 76.0 84.0 72.0 82.0 86.0 56.7 56.7 56.7 61.0 84.7 56.7 58.7 ٨١ 82.0 82.0 86.0 73.3 74.0 78.0 80.0 63.3 86.0 61.3 61.3 71.3 74.7 70.0 84.0 85.3 86.0 69.3 86.0 56.7 56.7 58.7 56.7 ٨١ 71.3 72.0 82.0 82.0 82.0 29.3 55.3 55.3 57.3 67.3 70.7 73.3 75.3 79.3 80.7 81.3 82.0 0.09 65.3 82.0 55.3 0.09 6.69 60.7 77.3 ٨I 52.7 56.0 56.0 62.7 48.7 53.3 54.7 58.0 62.0 47.3 62.0 62.7 45.3 58.7 45.3 45.3 48.7 05.0 62.7 62.7 62.7 62.7 NO CEILING (FEET) ≥ 20000 VI VI 0009 1 VI 0009 12000 9000 800 7000 4500 3000 2000 2000 1800 1200 88 800

AI AI

AI AI

AI AI

AI AI

ALAI

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLIMOIS

PERCENTAGE FREQUENCY OF OCCURRENCE

0.6 HOURS (1.5.7.)

3

SEP

					NOW !	THE COLUMN	1	Concerno								
CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(MEE)	71	φ Λ1	S) Al	٨١	۸I	≥ 2%	N Al	VI %	VI 2,1	- AI	% Al	*	Z Al	2 5/16	× 1	٥
NO CEILING	32.0	.04	42.7	45.3	47.3	4.8	50.0		50.0	50.7	50.7		50.7	50.7	50.7	50.7
≥ 20000	34.0	42.	44.7	47.3	49.3	50.7	53.3	53.3	53.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	34.0	42.	44.7	47.3	49.3	50.7	53.3	53.3		54.7	54.7	24.7	24.7	54.7	54.7	54.7
≥ 16000	34.0	45.	44.7	47.3	49.3	50.7	53.3	53.3		54.7	24.7	54.7	24.7	54.7	54.7	54.7
	34.0	42.	45.3	0.84	80.0	51.3	54.0	24.0	24.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	34.7	0.44	46.7	49.3	51.3	52.7	55.3	55.3	55.3	56.7	56.7	26.7	20.3	56.7	26.7	56.7
	36.7	46.	46.7	51.3	53.3	54.7	57.3	57.3	57.3	58.7		28.7	28.7	58.7	58.7	58.7
000	36.7	46.	48.7	51.3	53.3	54.7	57.3	57.3	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	38.0	48.	51.3	34.7	57.3	58.7	61.3	61.3	61.3	62.7	62.7	62.7	1.79	62.7	62.7	62.7
7000	39.3	50.	54.7	58.7	61.3	62.7	65.3	65.3	65.3	66.7	1.99	1.99	2.99	66.7	66.7	66.7
	39.3	50.7	54.7	58.7	61.3	62.7	65.3	65.3		66.7	1.99	1.99	1.99	66.7	66.7	66.7
2 2000	41.3	53.	57.3	61.3	0.49	65.3	0.89	0.89	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
1	42.0	54.	58.0	62.0	64.7	66.7	69.3	69.3	69.3	70.7	70.7	10.7	10.1	70.7	70.7	70.7
4000	43.3	56.7		65.3	68.0	70.0		73.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	44.7	58.7	63.3	67.3	70.0	72.0		75.3	75.3	76.7	76.7	76.7	76.7	76.7	76.7	70.7
> 3000	44.7		63.3	67.3	70.7	72.7	76.0	16.0	•	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2 2500	45.3	•09	0.99	70.0		13.3		78.7	78.7	0	80.0	0	0	80.0	80.0	80.0
2 2000	46.7		68.7	74.0	77.3	79.3	82.7	82.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	47.3	63.		76.0	19.3	23	84.7	84.7	84.7	86.7		86.7	86.7	86.7	66.7	86.7
2 1500	48.0	0.49	70.7	76.7	80.0	82.7	86.0	0.98	86.0	88.0	88.0		88.0	88.0	88.0	88.0
2 1200	48.0	. 49	70.7	78.0	81.3	. 4	87.3	-	87.3	89.3	89.3	86.3	88.3	89.3	89.3	89.3
	0.84	- 1	72.0	80.0	83.3	96.0	89.3	89.8	89.3	61.3	61.3	61.3	91.3	91.3	61.3	91.3
006	48.0	64.7	72.0		83.3		60.7			92.7	1.26	92.7	25.7	92.7		
008	48.0	- 1	72.0	80.0	84.0	0.88	61.3		91.3	93.3	93.3		93.3	93.3	63.3	63.3
	48.0	2 . 4 9	72.7	80.7	84.7		92.0	95.7	92.7	64.7	1.46	64.7	64.7	24.7	4.7	1.46
00 A1	48.0	- 1	72.7	80.7	84.7	88.7	92.0	92.7	92.7	64.7	24.7	24.7	1.56	64.7	64.7	24.7
200	48.0		72.7	80.7	84.7	88.7	92.0	92.7	92.7	64.7	1.46	24.7	1. 56	64.7	24.7	1006
	48.0	- 1	73.3	81.3	85.3	89.3	92.7	4.7	1. 46	1.96		2.96	1006	1.96	1006	1096
300	48.0	68	73.3	031.3	86.7	40.7	2.46	0					1.86			
	0.84	65.	73.3	81.3	86.7	40.7	24.7	96.7	2006	98.7	1.86	28.7	1.86		48.7	68.7
8	48.0	65.3	73.3	. i . i		2.06	24.7				7.86	68.7	7.86		8	66.3
	48.0	65		81.3	86.7	1.06	94.7	1.96	1.96	98.7	7.86	66.3	66.66	66.3	66.3	0000

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

0000

9000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

14855 STATION

0.9 HOURS (1.5.T.) SEP

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) GLENVIEW, ILLINDIS

3800

SEP

1.2 HOURS (1.5.T.)

CEILING							VISIA	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	2 1	۰ ۸۱	\$5 AI	41	e VI	> 21/2	Z AI	VI VI	¥ 1	- -	* 11	≭	γ. ΛΙ	≥ 5/16	× 1	٥
NO CEILING	35.3	41.3	42.0	45.7	5	2	42.7	2.	42.7	2.	45.1	42.1	42.7	42.7	42.7	42.7
7 20000	42.0		20.1	51.3	51.3	51.3	63	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	45.0		20.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2 16000	45.0	50.0	20.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	42.7		51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
> 12000	44.7		54.0	55.3	55.3	55.3	55.3	55.3		55.3	55.3	55.3	55.3	55.3	55.3	55.3
	45.7	56.7	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
0006	46.7		57.3	56.3	59.3	59.3	59.3	56.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
	48.7		61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
7000	6.64	61.3	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3		65.3
	49.3		63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2000	50.7		1.99	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	52.7		68.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
4000	54.7		72.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
	56.7		75.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3000	60.7	•	81.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
	61.3		85.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2000	62.7		87.3	89.3	7.06	7.06	2.06	7.06	40.4	7.06	1.06	40.4	106	90.7	1.06	2006
1800	0.49		88.7	1.06	92.0	92.0	92.0	0.26	92.0	92.0	92.0	95.0	95.0	92.0	92.0	95.0
> 1500	64.7		2.06	92.7	0.46	0.46	0.46	0.46	0.56	0.46	0.46	0.46	0.46	0.46		0.46
2 1200	64.7		95.0	0.76	6.56	6.56	95.3	65.3	65.3	95.3	62.3	65.3	95.3	95.3	65.3	95.3
1000	24.7		95.0	0.56	6.56	95.3	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	2.49	•	92.7	64.7	0.96	0.96	1.96	1.96	2.96	2006	1.96	26.1	2.96	96.7	1.96	1096
008	64.7		63.3	95.3	2.96	61.3	0.86		98.0	98.0	0.86		0.86	98.0	98.0	0.86
	1.40	88.0	93.3	98.3	2.96	61.3	0.86		0.36	0.86	0.86		0.86	0.86		0.86
009 1	24.7	0.88	93.3	63.3	2.96	61.3	0.86		0.86	0.86	0.86	0.86	98.0	98.0	0.86	0.86
	2.49	98.0	63.3	6.36	96.7	81.3	98.7	98.7	7.86	48.7	1.86		98.7	93.7	28.7	48.7
× 400	1.49		63.3	8.36	1.96	97.3	6.7	66.66	8.66	6.66	66.3	66.3	66.3	86.3	666	66.3
38	64.7	98.0	93.3	6.36	1.96	97.3	8.71	10.00	00.00	0000	0.00	00.00	10000	0000	100.001	0.00
١٨ 500	64.7		63.3		1.96	97.3	98.71	00.00	00.00	00.00	•	00.00	00.00	0000	100.001	0.00
8	2.49	88.0	63.3	•	1.96	1	98.71	00.00	00.00	0000		ċ	0	0.00	100001	0.00
	64.7		63.3	95.3	1.96	97.3	98.71	00.00	00.00	00.00	00.00	00.00	00.00	0000	100.001	0.00

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

12595 9519

14855

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEWS TLLINDIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

YEARS

HOURS (L S T SEP 13

211

69.3 70.7 75.3 79.3 85.3 92.0 93.3 0.96 0.86 51.3 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 0.0010.0010.0010.0010.0010.0010.0016.66 64.7 92.0 99.3100.0100.0100.0100.0100.0100.0100.0 52.0 52.0 53.3 53.3 98.0 98.0 0.49 66.7 66.7 92. 86. 56. ٨١ 51.3 0.86 0.86 0.96 70.7 92.0 69.3 75.3 92.0 63.3 0.86 79.3 85.3 86.7 51.3 56.7 0.49 7.26 51.3 64.7 56.7 ٨١ 69.3 92.0 98.0 0.96 98.0 51.3 53.3 85.3 98.0 51.3 52.0 52.0 66.7 75.3 92.0 0.49 70.7 79.3 51.3 92.7 93.3 56.7 64.7 86.7 56.7 98.0 69.3 70.7 53.3 98.0 98.0 98.0 98.0 98.0 0.49 85.3 92.0 92.0 92.0 92.0 92.0 51.3 92.7 64.7 66.7 79.3 86.7 92.0 63.3 96.0 96.0 51.3 51.3 56.7 56.7 2 ٨١ 69.3 51.3 51.3 52.0 53.3 85.3 0.85 56.7 0.49 56.7 66.7 66.7 66.7 70.7 75.3 79.3 93.3 93.3 93.3 93.3 0.86 64.7 92.0 56.7 92.7 86.7 ٨I 85.3 0.86 51.3 52.0 52.0 52.0 52.0 52.0 53.3 69.3 69.3 69.3 29.3 92.0 0.96 0.96 98.0 98.0 98.0 75.3 75.3 75.3 86.1 98.0 98.0 56.7 92.7 51.3 0.49 64.7 56.7 70.7 70.7 ٨١ 98.0 51.3 51.3 56.7 79.3 85.3 92.0 53.3 0.49 0.49 64.7 56.7 92.7 92.7 ٨١ VISIBILITY (STATUTE MILES) 0.86 51.3 79.3 85.3 0.96 0.86 92.0 53.3 53.3 86.7 64.7 70.7 51.3 51.3 56.7 56.7 56.7 ٨I 0.86 0.86 95.0 66.3 1.50 1.99 93.3 0.96 69.3 51.3 0.49 0.26 56.7 70.7 75.3 79.3 85.3 92.7 0.86 8.65 66.3 86.7 95.3 98.0 ۲. ۲. 79.3 0.26 95.0 51.3 1.99 85.3 96.7 92.0 98.3 95.3 75.3 95.3 53.3 0.49 1.96 31.3 7.46 56.7 56.7 54.7 69.3 7007 7.96 7.96 26.0 96.7 ۸۱ 92.0 0.96 95.3 0.96 96.0 52.0 52.0 53.3 56.7 75.3 95.3 0.26 92.0 98.3 0.96 51.3 1.3 0.49 66.3 70.1 79.3 85.3 98.3 56.1 64.7 66.7 94.7 66.7 92.1 ٨١ 4 68.7 0.46 78.0 0.06 0.06 0.46 0.46 0.46 70.0 51.3 53.3 56.7 56.7 74.7 84.0 93.3 51.3 63.3 85.3 0.06 7.06 93.3 0.46 94.0 7.26 93.3 ٨١ 92.0 52.0 67.3 68.0 69.3 77.3 53.3 83.3 84.0 83.3 88.0 88.7 89.3 91.3 89.3 91.3 83.3 88.0 88.7 80.3 91.3 61.3 92.0 90.0 92.0 74.0 51.3 51.3 63.3 56.7 88.0 88.7 90.7 56.7 62.7 ٨١ 73.3 0.06 0.06 0.06 51.3 51.3 52.0 26.0 26.0 62.0 82.7 89.3 52.7 89.3 88.7 88.7 68.7 ۱۸ د 10.0 73.3 20.0 65.3 84.7 79.3 84.0 85.3 85.3 6.65 59.3 0.29 80.0 83.3 84.0 50.7 0.09 63.3 84.7 53.3 84.7 84.7 AI 20.0 53.3 2.49 0.55 0.94 0.40 67.3 67.3 67.3 67.3 43.3 67.3 61.3 67.3 0.94 67.3 67.3 67.3 67.3 67.3 54.7 58.7 2.09 67.3 42.7 50.7 2 NO CEILING 18000 CEILING (FEET) ¥ 20000 12000 000 000 000 4500 4000 1500 8000 7000 2000 3000 2000 98 8 8 88 88 88 AI AI AI AI AI AI AI AI 11 11 ALAI AI AI AI AI AI AI ALAI

TOTAL NUMBER OF OBSERVATIONS

99.3100.0100.0100.0100.0100.0100.0100.0

99.3

0.96

0.46

92.0

0.06

85.3

67

80

67.3

92.0

7.96 7.96 150

0111

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENYIEW, ILLINDIS

SEP

E

HOURS (L S T.)		Y	7 50.7 50.7 50.7 50.7	9.3 59.3 59.3 59.3	**	59.3 59.3 59.3 59.3 59.3	-	8 63.3 63.3 63.3 63.3 63.3	0.99 0.99 0.	66.7 66.7 66.7	72.0 72.0 72.0 72.0 7	74.0 7	74.0 74.0 74.0 7	74.7 74.7 74.7 74.7 74.7	77.3 77.3 77.3	80.08 0.08 0.08 0.08	82.0 82.0 82.0 82.0 8	86.0 86.0	88.0 88.0 88.0 8	.0 92.0 92.0 92.0 9	2.0 92.0 92.0 92.0	.7 92.7 92.7 92.7 9	3.3 93.3 93.3 93.3	.7 94.7 94.7 94.7	1 95.3 95.3 95.3 95.3	96.0 96.0 96.0 96.0	.3 97.3 97.3	3 97.3 97.3	98.7 98.7 98.7	.7 98.7 98.7 98.7	.3 99.3 99.3 99.3	.3 99.3100.0100	9.3 99.3100.0100.01	3 39.3 99.3100.0100.0100.0
FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS)	VISIBILITY (STATUTE MILES)	1 X X 1 X X X X X X X X X X X X X X X X	7 50.7 50.7 50	59.3 59.3	3 59.3 5	59.3 59.3 59.	60.7 60.7 60.	63.3 63.3 63.	. 96.0 66.0 66.	66.7 66.7 6	72.0 72.0 7	74.0 74.0 74.0	74.0 74.0 74.	74.7 74.7 74.	3	80.0 80.0	.0 82.0	.0 86.0 8	88.0.88	0 92.0 9	92.0 92.0 92	92.7 92.7 92	93.3 93.3 93	.7 94.7 9	95.3 95.3	0.06	.3 97.3	.3 97.3	.7 98.7	.1 98.7	.3 99.3	.3 99.3	66.3 66.3	3 99.3 99.3 99
FREQUENCY OF HOURLY OBSERV	VISIBILITY (2% ≥ 2 ≥ 1%	7. 50.7	.3 59.3 5	.3 59.3	.3 59.3 59.3	.0 60.7 60.	.7 63.3 63.3	.3 66.0 66.	.0 66.7 6	72.0 7	.3 74.0 74.0	3 74.0 74.0	.0	.0 77.3 77.	.7 80.0	7 82.0	.7 86.0	7 38.0	.7 92.0 92.0	.7 92.0	.3 92.7 92.	100	4 - 7	.0 95.3	0.96 1.	.3 97.3	3 97.3	0.86 0	0-86 0	0.86 0	0.86 0	.0 98.0 99.	.0 98.0 99.3
PERCENTAGE FR (FROM HC		VI 8	50.7 50.7 50	.7 59.3	58.7 59.3 59	58.7 59.3 59	59.3 60.0 60	62.0 62.7 62	64.7 65.3 65	65.3 66.0 06	70.7 71.3 71	72.7 73.3 73	72.7 73.3 73	73.3 74.0 74	75.3 76.0 76		78.7 80.7 80.	82.7 84.7 84	86.7	88.0 90.7 90	9	88.7 91.3 91	39.3 92.0 92	90.0 93.3 93	0 93.3	90.7 94.0 94.	91.3 94.7 95	1.3 94.7	92.0 95.3 96.0	92.0 95.3 96	92.0 95.3 96.	2.0 95.3	.0 95.3	92.0 95.3 96
		\$ AI	3 46.7	0 54.0 58.	0 54.0 58	0.95 0	7 54.7	7 57.3	7 59.3	3 60.0	1.99 0	0.99	3 66.0	1.99 0	0 68.7	3 70.0 7	7 72.0 7	3 75.3	0 76.7 8	3 78.7 8	78.7 8	3 79.3 8	0.08 0	0 80.7	0 80.7	0 80.7	0 80.7	0 80.7	0 81.3 89.	0 81.3	0 81.3		0 81.3	0 81.3
	CEILING	(FEET)	NO CEILING 39	20000	18000	≥ 16000 44.	14000	≥ 12000 46.	10000	6 ♦ 000 ₹	8000	≥ 7000 55.	0009	> 3000 1	4500 58	4000	3500 60	> 3000 53	2500 64	2000	1800	1500	1200	1000	000	008	700	009	200	400	300 65	2 200 66.	100 66	•

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

21 HOURS (1 S T.) SEP

808

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CALLED							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	٥ ٨١	8	AI	e Al	Y 2%	2 7	V1 7/2	VI 2.	- 1	% AI	*	Z AI	≥ 5/16	N N	0 11
NO CEILING	47.3	54.		56.0	57.3	57.3	57.3		57.3	57.3			57.3			57.3
≥ 20000	50.0		61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	3
	50.0	59.	•	61.3	62.7	63.3	3.	63.3	•	63.3	63.3	3.		63.3	3	63.3
≥ 16000	50.0	59.	61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3		3				63.3
	50.0	59.		61.3	62.7	m		63.3	63.3	63.3	63.3	3	3	63.3	63.3	63.3
≥ 12000	50.7	60.	•	62.0	63.3	64.0	•	0.49	0.49	0.49	64.0	0.49		0.49	0.49	0.49
	53.3	. 49	•	0.99	67.3	80		0.89		00			00	80		0.89
0006 ~1	54.0		67.3	67.3	68.7	69.3	69.3		69.3	66.3	69.3	6	6.69	69.3	69.3	•
	58.7	71.	•		74.7	75.3	5	5		75.3		5	75.3	5	2	75.3
≥ 7000	0.09			75.3	76.7	1.	77.3	77.3	77.3	7.	77.3	7		77.3	77.3	
	-		•	76.7	78.0	78.7	78.7	78.7		78.7	78.7	78.7	00	78.7		
2000	62.0	74.7	77.3	78.0	79.3	80.0	80.0	0	80.0	0	80.0	0	0	0	0	80.0
	63.3	76.7		80.7	2.	82.1	82.7		~	82.7	82.7	82.7		82.7	82.7	
4000	64.7	78.1	82.7	3			85.3	85.3	85.3	5			5	85.3		85.3
	65.3	79.3	84.0	84.7	86.0	86.7	86.7	85.7	86.7	86.7	86.7	9	86.7	86.7	86.7	86.7
3000	66.7	81.3	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	38.7	88.7		88.7		
	66.7	81.3	•		88.0	48.7			6	89.3	0	89.3		89.3		89.3
2 2000	68.0	82.7	•			0			40.1	0	40.7		40.4	0	40.7	
1800	0.80	82.7	•		6	0.06	.0		0	2006		0	4.06	40.1	2.06	40.1
	69.3	84.0	88.7	89.3	0	-	91.3		92.0				2.			
1200	69.3	84.7	89.3		:	92.0		2	3	3		2		92.7		
	69.3	85.3	0.06	0	~	9	0.46	3		4		*			*	4.1
00 AI	0.0	86.0	2006		ė		4	'n		3	3	0	3			
	0.07	86.0	2006		0.46	74.1	95.3	0.96	0.96	0.96	0.96	.96	96.0	0.96	•	96.0
70	70.0	86.0	•		*	•		0		1.96	1.96		•	96.7	9	
09 AI	70.0	86.0	2006	95.0	0.46	1.76	0.96		7.96	1.96	1.96	. 9	1.96	96.7	2.96	96.7
200	70.0	86.7	91.3	45.7	1.46	68.3	7.96	æ	0.86			98.0	8	98.0	8	0.86
۱۷ 84	70.0	86.7	95.0	63.3	95.3	0.96	0.86			66.3		86.3	66.3	66.3	66.3	99.3
38	70.0	86.7	95.0			•		6			6	6	66.3	86.3	66.3	
	70.0	86.7	95.0	93.3	95.3	0.96	98.0	66.3		66.3		66.3		86.3	6	99.3
8	•		0.26			. 9	0.96		•		66.3		•			0.00
٨١	70.0	36.7	95.0	93.3	65.3	0.96	0.86	66.3	66.3	6.66		66.3	66.3	99.3	66.3	00.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

ALL HOURS (LST.) SEP

2001

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 10 2 6 2 5 2 7 2 1 2 2 8 2 2 2 1 8 1 8 2 1 8 2 1 2 2 8 2 2 2 2	CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
181000 39 8 47.5 49.5 50.4 51.1 31.3 51.8 51.8 51.8 51.8 51.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57	(FEET)	1	1		4	1					ĀI	1		1	1		
2000 44.0 5.7 5.8 54.8 54.8 55.7 56.0 56.6 56.6 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0	NO CEILING	39.8	47.		0	51.1	51.3	51.8	1.	51.8	2.	52.0	2.	2.	2.		52.0
1800 43.0 51.7 53.8 54.8 55.7 56.0 56.6 56.6 56.6 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0	≥ 20000	43.0	51.	•	*		9	9				1	-	1	-		57.0
10000 43.0 51.7 53.8 54.8 55.7 56.0 56.6 57.6 57.4 57.8	V 18000	43.0	5	•			9			6					1		57.0
10000		43.0	51.	•	4		9					7	7	-	-		57.0
11000 44.4 \$3.6 \$5.6 \$6.9 \$7.8 \$6.2 \$8.8 \$8.8 \$8.8 \$9.8 \$9.3 \$9.3 \$9.3 \$9.3 \$9.3 \$9.3 \$9.3 \$9.8 \$9.8 \$9.8 \$9.8 \$9.8 \$9.8 \$9.8 \$9.8		43.3	52.		5.	9	56.3	-		57.0	7					57.4	57.4
10000 47.0 56.8 59.2 60.4 61.4 61.8 62.4 62.4 62.8 63.3 63.3 63.3 63.3 63.3 63.3 63.3 63		44.4	53		. 9			8	00		6	6	6		6		
9000 47.2 57.2 59.6 66.8 61.8 62.2 62.8 62.8 62.8 63.3 63.3 63.3 63.3 63.3 63.3 63.3 63	100	47.0	56.		0	-	61.8	2.	2.	2	2	2.	2.	2.	2.	5	62.8
8000 59.7 61.9 64.6 66.0 67.2 67.5 68.3 68.3 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7		47.2	57.	•	0	-	62.2		2	2	•		3	63.3	63.3		63.3
7000 52.1 63.6 66.8 66.8 66.4 69.6 70.0 70.7 70.7 70.7 71.1 71.1 71.1 71.1		50.7	61.				1		8	8					68.7		
20.00 52.7 64.5 67.5 67.2 70.3 70.6 71.4 71.4 71.4 71.8 71.3 71.3 71.3 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8		52.1	63		et:	6	0		0	0	71.1	-			-		-
53.6 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 71.6 73.2 73.9 73.9 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.4 75.4 76.4 <th< th=""><th>1</th><th>52.7</th><th>. 50</th><th></th><th>0</th><th></th><th>7.0 B</th><th></th><th></th><th>11.4</th><th>71.8</th><th>71.3</th><th>-</th><th></th><th>71.8</th><th></th><th>-</th></th<>	1	52.7	. 50		0		7.0 B			11.4	71.8	71.3	-		71.8		-
3500 56.4 69.8 73.9 74.7 75.2 76.0 76.0 76.4 76.5 79.5 <th< th=""><th></th><th>53.8</th><th>66.</th><th></th><th></th><th></th><th></th><th>•</th><th>6</th><th></th><th>74.3</th><th>4</th><th></th><th>4</th><th>*</th><th></th><th>*</th></th<>		53.8	66.					•	6		74.3	4		4	*		*
3500 56.4 69.8 73.9 75.8 77.6 78.2 79.1 79.1 79.5 <th< th=""><th></th><th>54.9</th><th>57.</th><th></th><th></th><th></th><th>15.2</th><th>9</th><th>9</th><th>9</th><th>9</th><th>9</th><th>9</th><th>0</th><th>9</th><th>9</th><th>9</th></th<>		54.9	57.				15.2	9	9	9	9	9	9	0	9	9	9
3500 57.6 71.4 75.8 77.7 79.5 80.3 81.2 81.2 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6		56.4	69			•		6	6	6	6	6	6	6	6	6	6
3000 59.3 74.0 78.6 80.6 82.6 83.3 84.3 84.3 84.3 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8		57.6	71.					-	-	-	-	-	-	-	-	-	:
2500 61.5 77.6 82.7 85.2 87.3 88.2 89.1 89.2 89.7 89.7 89.7 89.7 89.7 89.7 89.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8		59.3	74.	•	0	N	3	*	*	+		*	*	*	*	*	3
2000 61.5 77.6 82.7 85.2 87.3 88.2 89.1 89.2 89.3 89.7 89.7 89.7 89.7 89.7 89.8 90.8 90.8 1800 61.9 78.1 83.3 85.9 88.1 88.9 89.8 89.9 90.0 90.5 90.5 90.5 90.5 90.5 90.5 9		600	75.		2		10	.9	9	9	6.	9	9	0	9	9	0
1800 61.9 78.1 83.3 85.9 88.1 88.9 89.8 89.9 90.0 90.5 90.5 90.5 90.5 90.5 90.5 9		61.5	77.		10	-	130	0	6	0	6	0	6	6	1.68	6	0
1500 62.3 79.0 84.3 86.9 89.1 90.0 90.9 91.1 91.2 91.8 91.6 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8		61.9	78.	83.3		8	00	6		0	0	0	0	0		0	0
1200 62.6 79.8 85.1 85.2 90.3 91.3 92.4 92.5 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1		62.3	79.	•	9	6	0		-	-	-	-	=	-	-	-	-
1000 62.7 80.3 86.0 89.4 91.8 92.8 94.2 94.3 94.9 94.9 94.9 95.0 95.0 95.0 95.0 95.0 90.0 02.8 80.6 86.4 89.8 92.3 93.6 94.8 95.2 95.3 95.8 95.8 95.8 95.8 95.8 95.9 95.9 95.9	1	65.5	79.		0	0			2	2.				3		3	
900 62.8 80.6 86.4 89.8 95.2 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 96.9 96.9 96.9 96.9 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.9 97.0 98.0		62.7	80°		0		è	4		*	4		4	5		ċ	
800 62.8 80.7 86.8 90.3 92.9 94.3 95.8 95.8 96.4 96.4 96.4 96.5 96.5 96.5 96.5 96.6 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0		62.8	80.		0	2	50)	5	5	5	5		3	3		3	3.
700 62.8 80.7 86.8 90.3 92.9 94.3 95.7 96.3 96.3 96.9 96.9 96.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97		65.8	80.		0	5	*	5	10	i	. 9	•		•	6.	;	9
600 62.8 80.7 86.8 90.3 92.9 94.3 95.8 96.4 97.0 97.0 97.0 97.1 97.1 97.1 97.1 97.1 62.8 80.9 87.0 87.3 97.9 97.9 97.9 97.9 98.0 98.0 98.0 98.0 62.8 81.0 87.3 90.9 93.5 95.0 96.8 97.8 97.8 97.8 98.5 98.5 98.6 98.6 98.6 98.0 62.8 81.0 87.3 90.9 93.8 95.3 97.2 98.4 98.5 99.1 99.1 99.2 99.2 99.2 99.9 99.8 99.8 99.8 99.8		62.8	.09		0	2	4			9	9	.0	9			-	-
500 62.8 80.9 87.0 90.7 93.3 94.8 96.4 97.2 97.3 97.9 97.9 97.9 98.0 98.0 98.0 98.0 400 62.8 81.0 87.3 90.9 93.5 95.0 96.8 97.8 97.8 98.5 98.5 98.5 98.6 98.6 98.6 98.0 62.8 81.0 87.3 90.9 93.8 95.3 97.2 98.4 98.5 99.1 99.1 99.2 99.2 99.2 99.2 99.2 99.0 29.0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.6 99.0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.6 99.0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.5 99.7 100.		65.8	80.		0	2		5		9	-	-	-	-			
400 62.8 81.0 87.3 90.9 93.5 95.0 96.8 97.8 97.8 98.5 98.5 98.5 98.6 98.6 98.6 98.6 98.8 99.2 200 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.5 99. 200 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.5 99.0 99.0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.5 99.0 99.0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.4 99.5 99.7 100.		62.8	80.		1.06	3	*		7	-	-		-	œ	80	20	8
300 62.8 81.0 87.3 90.9 93.8 95.3 97.1 98.3 98.4 99.1 99.1 99.1 99.2 99.2 99.2 99.2 99.2		65.8	81.		0	3	30	÷		7.			60	00	80	8	8
200 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.3 99.4 99.5 9 95.0 90.2 90.3 99.3 99.4 99.5 9 90.5 90.2 90.2 90.3 90.3 90.4 90.5 90.5 90.2 90.3 90.3 90.4 90.5 90.5 90.2 90.3 90.4 90.5 90.7 10		62.8	81.		0	60	u i	97.1	8	8	100	5	6	89.5		6	
100 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.6 9 0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.4 99.5 99.710		65.8	81.			3	165	-	8	30	6	6	6	66.3	6		
0 62.8 81.0 87.3 91.0 93.8 95.3 97.2 98.4 98.5 99.2 99.3 99.3 99.4 99.5 99.710		65.8	81.	•		•	5		8		ó	6	6			6	
		8.79	81.				5	1.	8	8	0	6	6	6			

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73-7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1.5.T.)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9 AI	\$ 1	4	E AI	× 2%	N N	VI %1	¥1 YI	-	% AI	*	Z AI	≥ 5/16	× 1	٨١
NO CEILING	44.5		54.2	56.00	59.4	59.4	0.09	0.09		0	0	0		0		0
00001	47.	26.5	0 00	200	0	0	62.6	62.0	0.70		9.20	42.69	9.79		9.70	9.70
9091	47.1			59.4	6119		2 .	62.6	10	62.6	1 2	62.6	62.6	62.6		
	-	56.1		59.4	6119	61.9	3	62.6	62.6	2.		2.		2	62.6	
> 12000	47.7		57.4	0.09	62.6	62.6		2.69	63.5		63.2	3		3		
V 10000	51.0	61.9	9.29	68.2	67.7	67.7		4.89			8		00	8		
000	51.0	61.9	9.29	65.2	1.		68.4	4.89	4.89	4.89		4.89	4.89	68.4	4.89	68.4
	54.2	67.1		70.3	2.	72.9	100	73.6		50	3.	73.6			73.6	
> 7000	55.5	0.69	69.7	72.3	74.8	74.8	75.5	75.5	75.5	75.5		75.5	75.5	75.5	75.5	75.5
	56.1	69.7	70.3		5	75.5	76.1	76.1	76.1	76.1					76.1	76.1
≥ 3000	57.4	71.6	72.3	74.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1		78.1		78.1
	29.4	74.2	74.8	77.4	0		80.7	0		0	0		80.7	0		80.7
× 4000	60.7	75.5	76.1	78.7	81.3	81.3		81.9	81.9	81.9	81.9	-		-	81.9	81.9
	60.7	75.5	76.1	30.01	5	82.6		3.		3	83.2		83.2	3		83.2
3000	619	77.4	78.7	82.6	85.8	•	86.5	86.5		86.5	•	86.5				86.5
	62.0	78.1		83.0	87.1	87.1		87.7	•		87.7	87.7	87.7	87.7	87.7	87.7
> 2000	65.8	82.6	-	88.4	91.6	91.6	•	92.3	2	92.3	92.3		92.3	92.3	92.3	92.3
V 1800	66.5	83.2	85.2	0.68	85.3	92.3		2	N	1 -	2	65.6		6.26	6.76	
	66.5	83.9	3	89.7	2	· V	93.6	93.6	93.6	93.6					93.6	93.6
1200	66.5	84.5	86.5	800	93.0	93.6	94.2	3.46	2.96	+		•	2.46	•	2.96	94.2
	66.5	85.2	87.1	91.0	2.76	94.2	95.3	95.5	5	95.5	3	95.5	95.5	95.5	95.5	95.5
% ^!	6000	85.2	87.1	016	. 4	34.5	5.	95.5			5	2.		5	95.5	95.5
	66.5	85.2	87.1	91.0	2.56	34.5	95.5	95.5	95.5	95.5	3	95.5			95.5	95.5
	66.5	85.2	87.1	0.16	. 4	2. 46	3	96.1	96.1				96.8	0	8.96	96.8
0 41	66.3	85.2	87.1	0.16	34.5	94.2	95.5	1.96	1.96	8.96		8.96		8.96	8.96	8.96
> 500	66.9	85.2	87.1	91.0	2.46	94.2	95.5	8.96	90.8	97.4	4.16	4.16	4.16		4.16	97.4
1 400	66.5	85.2	87.1	0.16	2.76	94.8	96.8	98.1	1.86					7.86	7.86	7.86
300	66.5	85.2	87.1	0.16	34.5	8 . 46	96.8	98.1	98.1	7.86	98.7	98.7	7.86	8	98.7	98.7
700	66.5	85.2	87.1	0.16	34.5	8.56	8.96	98.1	1.86	7.86	7.86	28.1	48.7	48.7	7.86	4.66
8	6.99	85.2	87.1	0.16	. 4	4	8.96		98.1						4.	0000
٨١	69.5	5	87.1	0116	84.5	94.8	96.8	98.1		98.7	7.86	28.1	7.86	98.7	14.66	0000

TOTAL NUMBER OF OBSERVATIONS

155

888

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77 GLENVIEW, ILLINUIS

HONTH	03	HOURS (L S)
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20 43.9 2 46.5 5 57.1 91.0 0 43.9 2 64.5 5 57.3 2 46.5 5 57.4 58.7 7 46.5 5 57.4 58.7 7 7 50.3 50.7 4 50.3 7 7 50.3 50.7 4 50.3 7 7 7 50.3 50.7 4 50.3 7 7 7 50.3 50.7 4 70.3 7 7 7 50.3 50.7 4 70.3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
CEILING 43.9 52.3 54.2 55.5 5 7.4 58.7 16000 46.5 55.5 57.4 58.7 7 16000 46.5 55.5 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 58.7 7 56.3 57.4 57.4 58.7 7 56.3 57.4 57.4 79.4 58.7 7 75.5 7 77.4 79.4 77.4 79.4 77.4 79.4 77.4 79.4 77.4 79.4 81.3 3300 57.4 77.5 77.4 79.4 81.3 3300 57.4 77.5 77.4 79.4 81.3 72.3 55.5 57.4 77.4 79.4 81.3 72.3 57.1 75.5 77.4 79.4 81.3 72.3 57.1 75.5 77.4 79.4 81.3 72.3 57.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 75.5 77.1 77.0 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3 700 63.2 84.5 87.1 97.1 97.3		1		1	8	≥ 2%	2 41	¥1 ¥1	VI 71	-	¾ Al	*	N N	2 5/16	AI N	٨١
20000 46.5 55.5 57.4 58.7 15000 46.5 55.5 57.4 58.7 15000 46.5 55.5 57.4 58.7 12000 46.5 55.5 57.4 58.7 12000 46.5 55.5 57.4 58.7 15000 47.7 56.8 58.7 62.6 63.9 50.0 56.2 66.8 66.7 62.6 63.9 60.0 56.2 66.8 66.7 7 62.6 63.9 60.0 57.4 77.5 57.4 77.3 56.8 58.7 7 75.5 77.4 77.3 56.8 58.7 7 75.5 77.4 77.3 56.8 58.7 7 75.5 77.4 77.3 77.3 56.8 58.7 7 82.6 88.9 7 80.0 63.2 84.5 87.1 89.7 80.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1 92.3 20.5 87.1	43.9	52.	54.2	55.5	56.8	56.8	58.1	58.7	59.4	50.4	0.09	0.09	60.0	0.09	0.09	0.09
18000 46.5 55.5 57.4 58.7 15000 46.5 55.5 57.4 58.7 12000 47.7 56.8 58.7 4 58.7 10000 50.3 60.7 55.8 58.7 60.0 50.3 50.3 60.7 62.6 63.9 50.0 55.2 68.4 70.3 72.3 60.0 55.4 77.4 79.4 81.3 72.3 50.0 59.4 77.4 79.4 81.3 72.3 50.0 59.2 81.3 83.2 85.2 85.2 1000 63.2 84.5 87.1 89.7 80.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3 50.0 63.2 84.5 87.1 92.3	46.5	55.	57.4	58.7	0.09	0.09	61.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
16000 46.5 55.5 57.4 58.7 1 12000 47.1 56.1 56.1 58.1 59.4 58.7 1 50.2 50.3 60.7 62.6 63.9 50.0 50.3 60.7 62.6 63.9 50.0 55.2 65.6 63.9 50.0 55.2 65.2 65.8 67.7 69.0 55.2 65.2 65.3 60.7 62.6 63.9 50.0 55.2 65.2 65.3 60.7 62.6 63.9 50.0 55.2 65.2 65.2 77.6 77.7 77.8 77.8 77.8 77.8 77.8 77.8	46.5	55.	57.4	58.7	0.09	0.09	61.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
12000 47.1 56.1 58.1 59.1 59.4 10000 50.3 60.7 62.6 63.9 50.0 50.3 60.7 62.6 63.9 50.0 50.2 60.7 62.6 63.9 50.0 55.2 65.8 67.7 62.6 63.9 50.0 55.2 68.7 71.6 72.3 72.3 50.0 59.4 77.4 79.4 81.3 72.3 50.0 59.4 77.4 79.4 81.3 72.3 50.0 59.2 81.3 83.9 85.8 11200 53.2 84.5 87.1 89.7 80.0 53.2 84.5 87.1 89.7 80.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 91.0 53.0 53.2 84.5 87.1 92.3 50.0 53.2 84.5 87.1 92.3	46.5	55.	57.4	58.7		0.00	61.3	61.9	62.6		63.2	63.5	63.2	63.2		63.2
12000 47 7 56.8 58.7 60.0 50.3 60.7 62.6 63.9 5000 55.3 60.7 62.6 63.9 5000 55.2 65.8 67.7 62.6 5000 55.4 65.8 67.7 69.0 5000 55.4 65.8 67.7 69.0 5000 55.4 77.4 79.4 87.3 5000 55.4 77.4 79.4 81.3 5000 65.2 81.9 83.9 85.8 1200 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6	47.1	56.	58.1	59.4	60.7	60.7	6.19	62.6	63.2	63.2	63.6	63.9	63.9	63.9	63.6	63.9
10000 50.3 60.7 62.6 63.9 7000 50.3 60.7 62.6 63.9 8000 55.2 663.6 77.6 62.6 63.9 8000 55.2 663.6 77.6 77.7 77.8 77.8 77.8 77.8 77.8 77	47.7	56	58.7	0.09	61.3	61.3	62.6	63.2	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5
9000 50.3 60.7 62.6 63.9 5000 52.3 65.8 67.7 69.0 5000 52.2 68.4 70.3 72.3 5000 55.5 68.4 70.3 72.3 4500 58.7 72.9 74.8 76.8 4500 59.4 76.8 77.4 73.6 2500 59.4 76.8 74.8 76.8 2500 59.4 76.8 78.7 77.4 79.4 2500 59.4 76.8 78.7 77.4 79.4 81.3 1500 50.7 80.7 82.6 84.5 81.3 83.9 83.9 1500 63.2 84.5 87.1 88.7 88.7 77.8 88.7 100 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 100 63.2 84.5 87.1 92.3 94.5 97.3 97.3	50.3	60.	62.6	63.9	65.2	68.2	66.5	67.1	67.7	67.7	4.89	68.4	4.89	68.4	68.4	68.4
1000 52.3 65.8 67.7 69.0 2000 54.2 68.4 70.3 72.3 2000 55.5 68.4 70.3 72.3 4500 58.7 72.9 74.8 76.8 4500 58.7 75.5 77.4 79.4 4500 59.4 76.8 76.8 76.8 2500 59.4 76.8 78.4 81.3 2500 59.4 76.8 78.4 81.3 2500 61.9 81.9 83.9 85.2 1500 62.6 81.9 83.9 85.2 1500 63.2 84.5 87.1 88.4 100 63.2 84.5 87.1 91.0 200 63.2 84.5 87.1 91.0 200 63.2 84.5 87.1 91.0 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3<	50.3	609	62.6	63.9	65.2	65.2		67.1	67.7	67.7	68.4	4.89	68.4	68.4	68.4	68.4
2500 54.2 68.4 70.3 72.3 72.3 5000 55.5 69.4 70.3 72.3 72.3 5000 57.4 72.9 74.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76	52.3	65	67.7	0.69	70.3	70.3	71.6	72.3	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6
55.5 569.7 71.6 73.6 5000 57.4 72.9 74.8 76.8 4500 59.4 75.5 77.4 79.4 4500 59.4 76.8 78.7 76.8 2500 59.4 76.8 78.7 78.9 2500 61.3 80.7 81.9 83.9 1800 62.6 81.9 83.9 85.2 1800 62.6 81.9 83.9 85.8 1800 63.2 84.5 87.1 88.7 1000 63.2 84.5 87.1 89.7 1000 63.2 84.5 87.1 91.0 1000 63.2 84.5 87.1 91.0 1000 63.2 84.5 87.1 91.0 1000 63.2 84.5 87.1 92.3 1000 63.2 84.5 87.1 92.3 1000 63.2 84.5 87.1 92.3	54.2	68	70.3	72.3		73.6	74 8	75.5	76.1	76.1	76.8	8.91	76.8	75.8	76.8	76.8
5000 57.4 72.9 74.8 76.8 4500 58.7 75.5 77.4 79.4 4000 59.4 76.8 78.7 79.4 3300 59.4 76.8 78.7 79.4 3300 59.4 77.4 79.4 81.3 3300 60.7 80.0 81.9 83.9 3300 62.6 81.9 83.2 85.2 3300 63.2 84.5 87.1 88.4 3300 63.2 84.5 87.1 91.0 3300 63.2 84.5 87.1 91.0 3300 63.2 84.5 87.1 91.0 3300 63.2 84.5 87.1 91.0 3300 63.2 84.5 87.1 92.3 3300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92	55.5	69	71.6	73.5	74.8	74.8	76.1	76.8	77.4	77.4		78.1	78.1	78.1	78.1	78.1
1800 58.7 75.5 77.4 79.4 1800 59.4 76.8 78.7 79.4 2500 61.9 80.0 81.9 83.9 2500 61.9 81.3 83.2 83.9 1800 62.6 81.3 83.2 85.2 1800 62.6 81.3 83.2 85.2 1800 62.6 81.9 83.9 85.8 1000 63.2 84.5 87.1 88.4 1000 63.2 84.5 87.1 89.7 1000 63.2 84.5 87.1 91.0 1000 63.2 84.5 87.1 91.0 100 63.2 84.5 87.1 91.0 100 63.2 84.5 87.1 92.3 100 63.2 84.5 87.1 92.3 100 63.2 84.5 87.1 92.3 100 63.2 84.5 87.1 92.3<	57.4	72.	74.8		78.1	78.7	80.0	80.7	81,3	81.3	81.9	81.9	81.9	619	81.9	81.9
2500 59.4 76.8 78.7 80.7 3500 59.4 77.4 79.4 81.3 3000 60.7 80.0 81.9 81.3 3000 61.9 81.3 83.2 85.2 81.0 62.6 81.9 83.9 85.8 81.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3	58.7	75.	77.4		80.7	81.3	82.6	83.2	83.9			84.5	84.5	84.5		84.5
3500 59.4 77.4 79.4 81.3 3000 60.7 80.0 81.9 81.3 82.6 84.5 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88	59.4	76.		80.7				84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8
2000 60.7 80.0 81.9 83.9 85.9 85.2 81.3 83.2 85.2 84.5 81.00 63.2 84.5 87.1 89.7 80.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3	59.4	77.	79.4	81.3	82.6	20		3	85.8		•		86.5	86.		86.5
2500 61.3 80.7 82.6 84.5 2000 61.9 81.3 83.2 85.2 1500 62.6 81.9 83.9 85.8 1000 63.2 84.5 87.1 89.7 200 63.2 84.5 87.1 91.0 200 63.2 84.5 87.1 91.0	60.7	80.	81.9	63.9		85.8		87.7	88.4	88.4	0.68	6	89.0	.68	•	89.0
2000 61.9 81.3 83.2 85.2 85.2 85.2 85.2 85.2 85.2 87.1 89.7 800 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 91.0 53.0 63.2 84.5 87.1 91.0 53.0 63.2 84.5 87.1 91.0 53.0 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 91.0 53.0 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3	61.3	80	-	84.5	86.5	87.1	88.4	89.0			90.3		90.3	90.3	90.3	90.3
1800 62.6 81.9 83.9 85.8 1200 63.2 82.6 85.2 87.7 800 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 91.0 63.2 84.5 87.1 91.0 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3	61.9	81.	-	85.2	87.1	87.7		89.7	90.3	90.3	91.0	-	91.0	91.0	91.0	91.0
1300 62.6 82.6 85.2 87.7 1300 63.2 84.5 87.1 89.7 800 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 91.0 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 91.6 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3 500 63.2 84.5 87.1 92.3		81.	83.9		87.7	88.4	89.7	8.06	91.0	91.0	91.6	91.6	91.6	91.6	91.6	9116
1200 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 89.7 700 63.2 84.5 87.1 91.0 500 63.2 84.5 87.1 91.0 500 63.2 84.5 87.1 91.0 500 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3 700 63.2 84.5 87.1 92.3		82.	85.2	87.7	1.68	90.3	92.9	93.6	94.5	94.2	8.46		94.8	8.46	8.46	94.8
1000 63.2 84.5 87.1 89.7 9 800 63.2 84.5 87.1 89.7 9 800 63.2 84.5 87.1 89.7 9 800 63.2 84.5 87.1 91.0 9 800 63.2 84.5 87.1 91.0 9 800 63.2 84.5 87.1 91.0 9 800 63.2 84.5 87.1 92.3 9 800 63.2 84.5 87.1 92.3 9	•	83.	85.8	88.4	6.06	91.0	93.6	84.2	94.8	8.76	95.5	98.5	95.5	95.5	95.5	95.5
900 63.2 84.5 87.1 89.7 9 800 63.2 84.5 87.1 89.7 9 700 63.2 84.5 87.1 91.0 9 800 63.2 84.5 87.1 91.0 9 800 63.2 84.5 87.1 91.6 9 800 63.2 84.5 87.1 92.3 9 800 63.2 84.5 87.1 92.3 9 800 63.2 84.5 87.1 92.3 9 800 63.2 84.5 87.1 92.3 9 800 63.2 84.5 87.1 92.3 9		84.	87.1	89.7	91.6	92.3	8.46	95.5	1.96	96.1	8.96	8.96	96.8	8.96	96.8	96.8
800 63.2 84.5 87.1 89.7 9 500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 92.3 9 500 63.2 84.5 87.1 92.3 9		84.	87.1	89.7	9.16	92.3	8.76	95.5	96.1	96.1	96.8	96.8	96.8	96.8	8.96	96.8
200 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 92.3 9 500 63.2 84.5 87.1 92.3 9 500 63.2 84.5 87.1 92.3 9		48	87.1	1.68	91.6	•	8 - 76	95.5	1.96	96.1	96.8	8.96	96.8	96.8	8.96	96.8
500 63.2 84.5 87.1 91.0 9 500 63.2 84.5 87.1 91.6 9 500 63.2 84.5 87.1 92.3 9 500 63.2 84.5 87.1 92.3 9 500 63.2 84.5 87.1 92.3 9		84.	87.1	0.16	6.26	93.6	96.1	96.8	4.76	97.4	98.1	98.1	98.1	98.1	98.1	98.1
500 63.2 84.5 87.1 91.6 400 63.2 84.5 87.1 92.3 300 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 63.2 84.5 87.1 92.3		84.	37.1	91.0		94.2	8.96	4.16	98.1	98.1	98.7	7.86	98.7	98.7	98.7	98.7
200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3		84.	87.1	91.6	04.5	8.46	4.16	98.1	48.7	98.7	4.66	4.66	4.66	4.66	4.66	99.4
200 63.2 84.5 87.1 92.3 200 63.2 84.5 87.1 92.3		. 48	87.1	92.3	8.46	95.5	98.1	7.86	4.66	4.66	100.0	0.001	100.0	100.0	100.0	0000
200 63.2 84.5 87.1 92.3		84.	87.1	65.3	8.46	98.3	98.1	7.86		4.66	0.001	0.001	100.0	100.0	10000	0.001
100 63.2 84.5 87.1 92.3		84.	87.1	92.3	8.56	95.5	98.1	98.7	-	4.66	10001	0.001	100.0	100.0	100.0	0000
3	•	84.	87.1	92.3	8.46	68.5	98.1	98.7	7.66	4.66	10000	0.001	100.0	10000	10000	0.001
0 63.2 84.5 87.1 92.3 9		84.	87.1	7.5	8.46	98.5	98.1	98.7	4.66	4.66	100.00	0.001	100.0	100.0	100.00	0.001

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINGIS

73-77

0.6 HOURS (1.5.T.) DC T

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	0	3.6	8.9	6.8			18.1	1.3	1.3		1.6	5.6	3.6	5.5	8.9	8.7	4.6		6.5	6.5			4.2	4.2	6.8	6.4	5.5	6.8				4.6	0.00
	2 ⁴	2.9 5	6.1.5	6.1 5	1.9		7.4 5	60.7 6	60.7 6	8.4 6	1.007	2.3	2.9 7	8	6.1 7	8.1	8.7		5.8 8	5.8	6 2.6	1.6		3.6		4.2 9	6 8 9		6.8	7.	8.1.9	8 . 1	8.11
	5/16	2.9 5	6.1 5	6.1 5	6.1	6.1	7.4	0.1	0.7	8.4.6	_	•	2.9 7	4.8 7	6.1 7		8.7 7	3.2	5.8 8	5.8	6.1	1.6	3.6 9	3.6	4.2 9	4.2 9	6 8 9	96.1 9	5.8 9	7.4 9	7.4 9	7.4	7.4 9
	ΛI 22 ΛΙ	2.9 5	6.1 5	6.1.5	6.1 5	6.1 5	7.4 5	0.76		8.4 6	1.0 7	2.3 7	2.9 7	4.8 7	7	•	~			00	9.7 8	9.	9.	9.	. 2	4.2 9	00	7	00	7.4 9	7.4 9	6 4.7	6 5.1
	*	2.9 5	6.1 5	6 . 1 . 5	6.1 5	.1 5	7.4 5		.10	8.4 6	.0.	.3 7	-	.8 7	6.1 7	8.17	.7.7	.2 8	00	8	9.7 8		3.6 9	3.6 9	4.2 9	4.2 9	8.4	6.1		•	6.8 9		6.8 3
	*	2.9 5			.1.		.4.	3.16	.76	9 5.	-	.3 7	1 6.	.8	.1.		.7 7	.2 8	8	8	. 7 8	9.	9.	3.6 9		3	8	.1.	.19	6 3.	.8	0	2
	AI	2.3 5	5.5	5.5 50	5.5 50	10	6.8 5	0.0	0.		7 6.0	.6 7	2.3 7	.2 7	. 5 7	7.4 7	8.1 78	œ	.2 8	00	.0	0	2.9 9	5 6 6	3.6 9.	3.6 9.	4.2 9	5.5 96	5.5 96		6.1 9	.19	6.1 90
F MILES)	7.	.6 5	.2 5		.2 5	.2	.5 5	.76	.7 6	.5 6	.0 7	.3 7	.0 7	. 9 7	.2 7	.17	.8 7	.3 8	30	8 6.	.7 8	.7 9	6 9.	6 9.	.3 9	.3 9	6 6.	.2 9	.2 9	6 8.	.8	6 8.	.8
VISIBILITY (STATUTE MILES)	٧١ ٧١	.6 51	.2 54		.2 54	5	. 5 55	. 7 5	.7 58	.5 6	.0 69	. 3	.0	6.	.2 74	.17	œ.	662	8	œ.	. 7	. 7 8	.6 91	•	.3 92	.3 92	6 6.	•	.2	9.	•	0	. 8 94
/ISIBILIT	ΛI	6 51	2 54	2 54	50	2 54	5 55	7 58	7 58	5 66		3 70		9 72	2 74	1 76	8 76	7 81					0 91	0 91		6 92	3 92		56 6	9	96 9	0	96 9
	N N	51.	54.	54.		54.	55.	500	58.	66.	69			72.		76.	. 9	80.	83	83.	87.	.6		-	-		.26				93.	3	93.
	> 2%	51.0	53.6		53.6	3	24.00	58.1	58.1	65.8	68.4	1.69	70.3			10	76.1	0	82.6		9	60	89.7	89.7	0	0	-	-	-	-	91.6	:	91.6
	N N	51.0	53.6	53.6	53.6	53.6	54.8	58.1	58.1	65.8	4.89	1.69	70.3	72.3		75.5	76.1	0	~	5.	86.5	98.4	0.68	89.0	1.68	1.68	6.06	0.16	0.16	91.0	91.0	-	0.16
	4	4.84	51.0	51.0	51.0	51.0	52.3	54.8	54.8	62.6	64.5	65.8	66.5	00	69.7		72.3	76.1	78.7	00	81.3	(4)	•	83.9		83.9	84.5	22	85.2	· ·	100	•	85.2
	N)	46.5	0.65		0.65	0.65		52.9		2.09					67.1		2.69				77.4	19.4	80.0	80.0	80.0	0.08		80.7	80.7	80.7	80.1	80.7	80.7
	۰ ۸۱		3		43.2	43.2	44.5	47.1	47.1	52.3	54.5	55.5	56.1	58.1	58.7	60.7	61.3	94.5	66.5	66.5	0.69	71.0	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	2	35.5	36.8	36.8	36.8	36.8	38.1	40.0	40.0	43.9	45.2	40.5	46.5							55.9			56.1				56.1		56.1		56.1		26.1
CEILING	(1986)	NO CEILING	Z 20000		≥ 16000		7 12000	1	2 9000		N 1000	1	2 2000		1 4000		3000		7 2000	0081			000 1		08		00	88	84	38	30	8	٥

TOTAL NUMBER OF OBSERVATIONS

155

71.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1LL INDIS

CLENVIEW

14855

YEARS

MONTH

200

מכד

HOURS (L S T 60

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

85.2 82.6 92.3 84.5 85.8 63.2 71.0 72.9 74.8 83.9 016 4.16 81.9 85.2 98.5 58.1 69.7 74.2 84.5 87.7 58.7 87.7 95.5 97.4 ٨١ 91.0 29.4 63.5 71.0 72.9 74.3 81.9 29.4 63.2 83.9 84.5 87.7 95.5 4.76 87.7 85.2 95.5 69.7 78.1 \$9.4 63.2 83.9 83.9 83.9 91.0 11.0 74.2 81.9 59.4 63.2 4.89 74.8 78.1 84.5 95.5 85.2 58.1 58.7 58.7 95.5 1.86 69.7 87.7 87.7 87.7 87.7 98.1 2 11 72.9 84.5 91.0 59.4 59.4 63.2 63.5 2.69 71.0 74.8 81.9 81.9 14.2 4.16 4.89 78.1 85.2 87.7 95.5 95.5 98.1 98.1 ٨١ 84.5 91.0 59.4 71.0 72.9 95.5 63.2 69.7 14.2 74.8 63.2 68.4 78.1 85.2 95.5 4.16 98.1 58.1 87.7 4.76 98.1 ٨I 29.4 71.0 87.7 91.0 74.8 81.9 83.9 85.2 95.5 4.16 58.7 59.4 68.4 74.2 63.2 63.2 78.1 84.5 7.69 98.5 4.46 98.1 98.1 ٨I VISIBILITY (STATUTE MILES) 81.9 84.5 85.2 58.7 59.4 4.89 71.0 74.2 74.8 87.7 91.0 63.2 95.5 83.9 87.7 59.4 63.2 72.9 95.5 4.76 1.86 69.0 69.7 78.1 98.1 4.16 81.3 65.5 73.6 77.4 6.06 4.70 67.7 70.3 74.2 83.9 87.1 8.46 8.96 58.7 96.8 72.3 83.2 87.1 8. 76 65.6 84.5 V 1% 6119 72.9 35.6 2.46 63.9 95.5 57.4 58.1 61.9 71.6 80.7 85.2 86.5 86.5 56.8 57.4 67.1 4.89 75.8 94.5 1.69 89.7 95.5 1.96 96.1 83.2 58.1 96. Ä 93.6 56.8 57.4 61.3 65.8 11.0 72.3 79.4 81.3 82.6 88.4 91.6 91.6 92.9 68.4 70.3 15.5 67.1 80.7 83.9 85.2 92.9 61.3 7 2% 67.1 1.95 70.3 78.1 0.69 54.8 0.09 62.6 64.5 61.9 63.9 65.8 71.0 74.2 83.9 90.3 6.06 91.6 91.6 91.6 91.6 51.6 53.6 54.8 56.1 0.09 80.0 81.3 91.6 E0.7 87.1 91.6 N Al 65.2 77.4 54.2 72.3 0.69 83.9 85.8 54.8 58.7 9.89 6.99 54.5 58.7 67.1 83.8 87.1 73.6 75.5 87.1 87.1 76.1 78.1 78.7 80.7 87.1 4 63.2 16.8 81.3 56.8 65.2 67.1 70.3 78.1 32.6 82.6 75.5 83.9 77.4 83.9 78.1 54.8 56.8 83.9 60.7 VI Al 0.09 63.2 51.0 51.6 65.2 77.4 54.8 40.0 58.7 74.8 75.5 74.8 77.4 70.3 72.3 13.6 76.8 76.8 67.1 77.4 37.4 35.5 37.4 41.3 0.64 52.3 45.2 52.3 52.3 52.3 34.8 34.8 35.5 40.7 43.2 44.5 50.3 50.3 51.0 52.3 52.3 52.3 52.3 52.3 52.3 47.1 2.3

TOTAL NUMBER OF OBSERVATIONS

155

1000

80

AI AI

88

AI AI

NO CEILING

× 20000

(FEET)

VI VI 0008 0008 0008

114000

000 000 000

AI AI

2000

AI AI

9000

ALAL

4500

AI AI

3000

11 11

2000

MIM

1500

AI AI

1200

AI AI

88

AI AI

88

AI AI

88

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

14855

DCT HONTH

12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

S. S							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	o Al	8	AI AI	e Al	> 21/2	7	V1 Y	VI 74	- 1	% AI	A.	N Z	≥ 5/16	VI 74	٨١
NO CEILING	30	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
¥ 20000	41.		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1		58.1	58.1	58.1	58.1	58.1
			58.7	59.4	9.65	59.4	59.4	59.4	59.4	59.4	59.4	59.4		\$0.65	59.4	59.4
14000			58.7	59.4	59.4	59.4	59.4	39.4	59.4	59.4	59.4	59.4	59.4	59.4	39.4	
		58.1	58.7	59.4	59.4	7.65	9.69	59.4	59.4	50.4	59.4	59.4	59.4	59.4	29.4	59.4
12000	41.9	59.4	0.09	60.7	60.7	60.7	2.09	60.7	2.09	•	60.7	60.7	60.7	60.7	4.09	60.7
			63.9	64.5	64.5	04.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
000	44.5	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
	45.2	64.	65.8	66.5	60.3	•	67.1	67.1	67.1	67.1	67.1	67.1	1.19	67.1	67.1	67.1
7000	46.5	65.	67.1	67.7	67.7	4.89	4.89	9.89	68.4	68.4	68.4	68.4	4.89	4.89	4.89	
1	46.5	65.	67.7	68.4	4.89	69.1	2.69	1.69	6	1.69	0	69.7		69.7	69.7	1.69
2000	47.1	.99	58.4	0.69	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
	47.7	67.	69.0	69.7	1.69	11.0	71.0	71.0							71.0	71.0
1 4 1 4 1 4 1	0.65	68.	70.3	71.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
	49.7	.69	11.0	71.6	71.6	13.6	73.6	73.6		•		1	3.6	3	13.6	73.6
3000	54.2		75.5	76.1		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7		78.7	
	58.1	78.	80.0	80.7	-	83.2	83.2	83.2		83.2	83.2	83.2	3.		83.2	83.2
7 2000	0.09			83.2	63.9	85.8	86.5	86.5			86.5	86.5	•	9	86.5	86.5
	0.09	80.	82.6	83.2	•	86.5	87.1	87.1	87.1	87.1	87.1		87.1	87.1	87.1	87.1
1500	61.9	84.	86.5	87.1	87.7	90.3	0.16	91.0	-	91.0	91.0	91.0		91.0	91.0	91.0
	9.29		38.4	89.0	0		93.6		4		3		3			93.6
2 1000	63.2	87.	90.3	91.0	5	98.5	96.1	8.96	8.96	8.96	•		96.8	96.8	8.96	96.8
	63.2			91.6	•	6.56	96.1			•		•	0	8.96	8.96	96.8
08 Al	63.2		80.3	91.6	65.6	96.8	98.1	48.7	8		98.7	2.86		98.7	1.86	7.86
	63.2	_	91.0	92.3	93.6	4.16	7.66	00.00	00.00	0.001	100.0	00001	0.001	100.001	10.00	0000
8	63.2		91.0	6.26	93.6	97.4	15.66	00.00	00.00	10000	100.0		10000	100.00		0.00
		87.7	91.0	92.3	3	37.4	40.66	00.00	00.00	0.001	100.0		0	100.00	0.00	0.00
8	63.5	87.7	91.0	92.3	93.6	4.16	19.56	100.00			100.0		0	100.001	10000	00.00
		87.7	91.0	92.3	93.6	97.4	14.66	00.00	0.00	0.00	100.0	100.0	0.001	100.00	00.00	0.00
7 200	•	87.7	91.0	92.3	93.6	4.16	99.4	00.00	100.00	0.001	100.0	100.001	100.00	100.001	10000	0.00
	0		91.0		93.6		14.66	0.00	00.00	0.00	0.001		0.001	10000	00.00	0.00
0	3	87.7	91.0	92.3	93.6	97.4	4.66	00.00	0.00	10000	100.0	100.001	100.001	100.001	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

200

0

9440

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	-
3	2
	2
	NON

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	• М	\$ 1	A 1	e Al	≥ 2%	7	V 1%	¥1 YI	- AI	% Al	*	N %	≥ 5/16	VI Z	0 11
NO CEILING	en3	52.9	53.6	54.2			54.2	54.5	54.2	. 4	24.5			4.		
1 20000			57.4	38.1	•	58.	58.7	58.7		58.7				8		58.7
V 18000			57.4	58.1	58.7		58.7	58.7	58.7		œ	58.7	58.7	58.7	58.7	58.7
≥ 16000	7.		57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7			•		58.7
> 14000	1.		58.1	58.7	99.4	29.4	59.4	59.4	59.4	29.4	59.4		29.4	59.4	29.4	59.4
≥ 12000	50.3	60.7	61.3	61.9	63.5	63.2	63.2	63.2	63.2	63.2	63.5	63.5	63.2	63.2	63.2	63.2
			5.	6.99	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7		67.7	67.7	67.7
0000 ×I			65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
	0		0.69	2.09	71.0		71.0	71.0	71.0	71.0	71.0	71.0		71.0	71.0	71.0
7000	58.1	70.3	71.6	72.3	73.6	73.6	73.6	73.5	73.6	73.6	•	•	73.6	73.6	73.6	73.6
			71.6	72.3		3	13.6	73.6	13.6	73.6	•	*	13.6	73.6	73.6	73.6
2000			72.3	72.9	74.5	74.2	74.2	74.5	74.2	74.2	74.2			74.2	74.2	74.2
	00		73.6		76.8	9		16.8	76.8	0	•		76.8	•		76.8
4000	0	74.8	76.1	78.1	4.61	19.4	4.61		4.64	4.64	4.64	19.4	4.64	79.4		79.4
	60.7		76.1	78.1		4.61	•	6		19.4	4.61	19.4	19.4	79.4	6	79.4
3000	-		78.1	80.7	81.9		81.9	81.9		81.9	•	-	81.9	81.9		81.9
	63.2	78.1	19.4	81.9		83.2	83.2	83.2	3	83.2		83.2	83.2		3	
7 2000			82.6	85.2	86.5	9	•	86.5	86.5	9		86.5	86.5	•	•	86.5
1800		81.9	83.9	.9	87.7	87.7	87.7	87.7	87.7	-	87.7	87.7				87.7
1500	0.69		89.0	-	65.6	5	6.26		~		3	93.6		93.6	93.6	93.6
	-		1.68	~	3	;	*	•		;	4	94.8		. 4	*	
V 1000	70.3	88.4	6.06	6.26	34.5		94.8		8.46	5	2	95.5		95.5	2	
0% AI	70.3		6006			95.5	95.5	95.5	1.96		8.96				8.96	96.8
00 AI		38.4	800.3	93.6	8.46	1.96	96.1	1.96	8.96	4.16	4.16	4.16	4.16	97.4	97.4	97.4
		88.4	9.16	8.96	1.96		4.16	97.4		8		98.7		98.7	68.7	98.7
009 AI		88.4	91.6	94.8	1.96	41.4	4.16	4.16	98.1		98.7	68.7	98.7	7.86	98.7	
200			91.6	. 47	96.1		98.1		98.7	4.06	4.66		6	4.66	4.66	36.4
007 AI		88.4	31.6	*	1.96	98.1	98.1	48.7	46.66	100001	•	ċ	100.001	0.001	00.001	100.0
38	70.3		91.6	*				98.7	4.66	10000	0	0		•	0	0000
		88.4	91.6	. 4	99.1	98.1	98.1	98.7	4.66	1000		•		100.001	00.001	0000
VI 8	70.3		-	*					6	10000	•	0		10000	0	0000
٨١	0	88.4	91.6	94.8	96.1	98.1	98.1	98.7	99.4	0.001	100.00	00.00	00.00	100.0	0000	0.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

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Paristin B

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

AI AI

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 IL S.T.

9000

DC T

80.0 92.9 92.3 95.5 87.7 98.7100.0100.0100.0100.0100.0100.0 98.7100.0100.0100.0100.0100.0100.0 0.09 0.09 63.9 63.9 63.9 98.7100.0100.0100.0100.0100.0100.0 60.7 60.7 4.16 65.8 83.2 4.16 4.16 65.6 72.9 78.1 80.0 95.5 75.5 75.5 92.3 6.76 4.16 37.4 78.1 87.1 87.7 59.4 59.4 4.16 4.16 4.76 75.5 6.26 97.4 15.5 30.0 92.3 92.9 4.16 0.09 12.9 83.2 60.7 78.1 78.1 4.66 65.8 87.1 87.7 95.5 98.1 2 5/16 \$ 65.4 59.4 63.9 75.5 4.16 4.16 4.16 1.86 78.1 6.26 75.5 92.3 6.26 0.09 95.5 4.16 65.8 12.9 18.1 80.0 83.2 4.16 60.7 87.1 87.7 ٨١ 75.5 15.5 80.0 4.16 97.4 4.66 0.09 65.8 4.76 72.9 65.6 59.4 60.7 78.1 83.2 92.3 65.6 95.5 4.16 4.16 78.1 87.1 1.86 58.7 87.7 * 65.8 63.9 63.9 4.76 0.09 92.3 59.4 80.0 83.2 92.3 92.9 78.1 72.9 75.5 73.5 78.1 95.9 95.5 96.8 97.4 97.4 4.76 96.8 97.4 87.1 60.7 87.7 59.4 96.8 65.8 72.9 8.96 59.4 60.7 75.5 98.1 78.1 78.1 83.2 91.6 8.76 58.7 0.09 75.5 78.1 92.3 8.96 87.1 87.7 30.0 VISIBILITY (STATUTE MILES) 4.65 83.2 87.1 91.6 75.5 78.1 80.0 8.46 8.96 8.96 8.96 4.16 4.16 72.9 92.3 8.96 96.8 4.70 59.4 63.6 15.5 92.3 0.09 65.8 60.7 7 7 72.9 91.6 4.16 59.4 59.4 63.9 63.9 65.8 75.5 75.5 87.7 95.3 8. 46 8.96 96.8 96.8 96.8 97.4 97.4 80.0 92.3 75.5 75.5 96.8 78.1 83.2 83.2 87.1 96.8 96.8 60.7 60.7 78.1 78.1 91.6 72.9 92.3 8.56 4.7.6 8.96 0.09 78.1 92.9 95.5 96.8 79.4 80.0 87.1 89.7 91.0 92.3 87.7 96.8 ۲ ۱۸ 74.8 77.4 93.6 83.8 30.4 0.09 17.4 81.9 99.5 90.3 91.0 96.1 98.5 0.41 58.7 61.9 63.2 65.2 86.5 92.9 95.5 89.7 92.9 95.5 93.6 96.1 57.4 57.4 71.0 63.8 84.5 92.9 91.6 6.26 73.6 89.0 73.6 78.1 85.2 89.7 93.6 56.8 76.1 80.7 93.6 58.1 58.7 76.1 ٨١ 55.5 61.9 77.4 0.09 68.4 73.6 81.9 83.8 4. 55.5 56.8 71.0 11.0 86.5 90.3 56.1 73.6 75.5 81.3 86.5 89.7 89.7 89.7 89.7 80.3 8.06 55.5 71.0 81.3 86.5 0.09 73.6 75.5 84.5 88.4 88.4 71.0 77.4 4.80 73.6 81.3 87.7 6.19 87.7 83.9 1.18 55.5 56.1 84.5 54.6 87.7 87.7 98.4 56.8 ٨١ 71.0 4.61 32.6 \$. 65 82.6 55.0 52.9 53.6 57.4 67.1 72.9 76.1 10.4 81.3 82.6 82.6 54.5 65.8 2.69 76.1 82.5 82.6 82.6 67.1 78.7 1.69 ٥ ۱۸ 50.8 59.4 51.0 63.9 29.4 46.5 58.1 1.69 61.9 63.9 67.1 45.8 47.1 58.1 66.5 67.1 4.89 69.7 7.09 69.7 69.7 1.69 69.7 69.7 69.7 VI VI 0008 1 VI 0009 12000 9000 2500 80 (FEET) 20000 2000 2000 4500 4000 3500 1500 1200 88 809 800 300

TOTAL NUMBER OF OBSERVATIONS

155

AI AI

0

ALAI

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CLENVIEW, ILLINOIS

2.1 HOURS (1.5.7.)

Z

DC T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

80.0 80.0 6119 75.5 85.2 6119 67.1 4.89 72.3 75.5 82.6 93.6 6003 91.0 2.46 96.8 97.4 98.1 6119 6119 95.5 98.1 99.4100.0100.0100.0100.0 62.6 62.6 0.0010.0010.0010.0010.06 99.4100.0100.0100.0100.0 96.8 ٨١ 6119 82.6 67.1 75.5 85.2 91.0 93.6 2.46 61.3 86.5 6119 4.89 72.3 75.5 6006 95.5 96.8 98.1 98.1 96.8 4.16 ٨١ 77.4 82.6 6.19 67.1 4.89 75.5 86.5 2.46 12.3 75.5 8006 91.0 93.6 4.76 61.9 6119 62.6 96.8 80.0 81.9 1.86 96.8 98.1 61.3 98.5 7.86 5/16 AI 75.5 75.5 77.4 93.6 82.6 86.5 8.96 4.76 9.79 4.89 67.1 85.2 2.46 61.9 61.9 72.3 81.9 90.3 91.0 95.5 98.1 6119 80.0 8.96 1.86 61.3 12 ۸۱ 75.5 80.0 67.1 4.89 82.6 6.56 8.96 93.6 4.16 61,3 61.9 6119 6119 62.6 72.3 15.5 77.4 85.2 80.3 91.0 2.46 8.96 81.9 86.5 98.1 * ٨١ 82.6 82.6 85.2 8 1.86 61.9 6119 77.4 93.6 93.6 95.5 95.5 8.96 8.96 61.9 62.6 62.6 68.4 68.4 86.5 94.2 72.3 6.06 91.0 4.7.6 61,3 67.1 67.1 75.5 75.5 80.0 1.86 7.86 4.66 ٨l 61.9 8.06 77.4 61.3 61.9 72.3 75.5 75.5 80.0 86.5 91.0 2.46 4.06 98.1 7.86 97.4 4.66 98.1 ٨١ VISIBILITY (STATUTE MILES) 81.9 85.2 90.3 62.6 67.1 4.89 77.4 91.0 34.2 86.5 93.6 8.96 59.4 6.19 61.9 72.3 75.5 95.5 96.8 8.96 4.16 4.16 61.3 7.86 7.86 7.86 61.9 75.5 75.5 80.0 1.86 1/2 ٨١ 82.6 8.06 4.80 3.46 61.9 61.8 62.6 62.6 81.9 65.8 85.8 86.5 90.3 90.3 91.0 61.9 76.8 77.4 95.5 8.96 96.8 61.9 61.3 67.1 72.3 75.5 75.5 80.0 8.96 4.16 4.76 98.1 98.7 7.86 98.7 ٨١ 6.10 67.1 75.5 4.64 81.9 93.6 1.96 72.3 8 84.5 6.19 61.3 9.46 8.96 68.4 96.1 96.1 96.8 98.1 89.7 98.1 98. 7 61.9 84.5 93.6 94.8 4.89 75.5 61.9 61.9 61.3 62.6 62.6 81.3 61.3 15.5 76.8 67.1 96.1 4. 6 12.3 7.61 96.1 96.1 89.7 96.1 1.96 96.8 ٨I 81.3 6.19 61.9 76.8 81.9 84.5 1.96 67.1 72.3 75.5 75.5 19.4 90.3 6.26 93.6 8.46 96.1 4.70 4.10 68.4 1.96 85.8 87.7 89.7 96.1 96.1 ۸I 91.6 71.0 0.16 65.6 93.6 60.7 75.5 84.5 65.6 65.6 67.1 93.6 60.7 65.8 74.2 78.1 80.0 80.7 83.2 88.4 65.6 65.66 92.9 93.6 93.6 60.7 93.6 14.2 ٨J 82.6 0.68 0.68 59.4 73.6 0.69 86.5 0.68 0.68 89.0 58.7 65.2 89.0 63.9 1.97 81.3 85.8 88.4 89.0 0.68 78.1 0.68 58.7 72.3 78.7 2.3 87.7 ٨I 57.4 78.7 80.0 83.9 84.5 57.4 71.0 11.0 72.3 74.2 85.8 85.8 57.4 58.1 67.7 76.1 76.8 83.2 85.2 85.8 85.8 85.8 85.8 62.6 63.9 ٨١ 63.8 67.1 51.0 53.6 55.5 55.5 61.3 66.5 67.1 67.1 46.5 50.3 36.8 60.99 67.1 40.5 46.5 47.1 58.7 60.7 67.1 67.1 67.1 67.1 67.1 46.5 67.1 67.1 67.1 67.1 0 AI NO CEILING (FEET) 18000 3000 20000 16000 12000 900 88 88 80 2000 900 4500 2000 500 900 88 88

TOTAL NUMBER OF OBSERVATIONS

155

14855 STATION

AI AI

ALAI

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

DC T

333

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

85.9 88.8 4.68 80.7 83.8 95.5 ٨١ 80.6 77.5 88.6 83.6 61.5 65.5 85.7 95.2 70.9 19.1 89.3 1.06 73.2 92.1 36.5 75.7 8.16 1.99 88.6 19.1 83.6 92.1 95.2 73.2 74.0 77.5 80.6 85.7 89.3 1.96 96.5 97.5 61.5 65.5 98.3 6009 75.7 7.16 0.09 70.9 66.1 2 5/16 80.6 93.6 88.6 66.3 60.3 73.2 61.6 6.86 1.61 89.3 1.96 61.5 0.4 77.5 4.66 2.66 60.09 65.5 65.5 66.1 6.07 85.7 95.2 96.5 0.66 75.7 92.1 7.76 79.1 77.5 9008 6.86 0.09 60.3 85.7 88.6 1.96 0.09 61.5 73.2 83.6 4.66 14.0 89.3 75.7 92.1 96.5 5.16 7.16 6.86 0.66 6.01 95.2 66.1 1.66 * 88.5 95.2 80.6 1.96 73.2 14.0 75.7 19.1 89.3 96.5 97.5 40.0 77.5 61.5 92.1 66.1 85.7 0.09 83.6 × 11 95.0 19.0 91.9 9.86 83.5 93.2 86.3 61.3 59.8 79.8 80.1 80.2 80.4 97.5 61.3 6.59 88.4 60,2 75.4 75.6 77.3 85.6 98.8 68.3 70.7 72.9 73.1 VISIBILITY (STATUTE MILES) 77.2 78.8 8.96 5.59 83.3 85.4 88.9 91.6 6.96 97.1 95.9 1.86 98.2 73.6 96.1 0.09 65.7 7.56 61.1 9.01 7.79 7 1 61.0 4.07 75.2 91.5 65.5 77.0 78.6 83.2 87.7 88.1 88.4 88.7 94.5 94.6 95.4 6.96 96.7 97.4 97.0 97.8 92.4 92.7 95.8 96.1 96.6 85.2 0.86 6504 72.6 82.9 91.1 0.56 3.16 73.3 8.09 8.40 76.8 6.78 96.3 75.0 4.56 70.5 18.4 7 58.9 74.4 77.8 87.0 93.2 72.0 60.3 4.40 6.49 79.5 94.1 8.46 9.56 82.3 84.3 90.2 87.7 86.9 0.09 58.6 58.6 69.3 71.6 81.6 64.5 72.3 83.6 86.4 92.1 0.56 0.76 0.40 73.9 77.2 78.6 6.68 43.4 93.6 75.7 2.06 92.7 79.4 0.88 6.06 65.0 70.4 0.48 9.06 72.0 86.9 89.8 51.4 58.5 66.1 67.5 69.8 73.8 15.3 76.5 89.4 57.1 62.4 81.4 84.6 89.8 61.1 68.3 70.6 82.3 85.3 86.6 87.2 55.8 56.1 72.2 19.3 87.3 87.3 87.3 73.6 74.8 86.8 87.3 55.8 57.2 61.5 0.69 77.5 84.3 80.8 87.3 87.3 \$5.5 81.7 81.8 82.9 83.0 53.9 55.2 39.6 63.8 4.69 10.8 71.8 74.3 76.0 78.3 78.9 80.7 82.6 82.7 82.7 83.0 63.0 59.1 61.9 2.45 53.9 66.3 65.7 54.4 58.5 9.10 47.3 63.6 63.6 56.3 61.1 4.44 47.5 55.6 63.2 63.6 63.6 63.6 9.69 63.6 2006 52.2 53.2 50.69 62.7 63.6 51.7 63.6 ≥ 20000 18000 12000 9000 8000 2000 4500 4000 2500 1500 80 (FEET) 3000 1200 808 88 88 88

ALAI

ALAI

0

ALAI

0

AI AI

0

OTAL NUMBER OF OBSERVATIONS

1240

100

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINUIS

14855

00 NOUNS (1 S T) NOV.

1480

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

150

1088

3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLIMOIS

73-77

NOV	03	HOURS (L S T)
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TATION NAME	10	-	-			-	YEARS	2	-	-	-	MONTH	HONTH	1
	PERCE	PERCENTAGE FREQUENCY OF OCCURRENCE	FERE	LENC	Y OF		CNENC	ш				03	3	
		(FROM HOURLY OBSERVATIONS)	HOUR	ILY OB	SERVA	ATION	S)					HOURS (LS T	. 1 5 1	1
				VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	.ES)							
۶۰ ۸۱	1	٨١	2 2%	7	V1 V2	71 71	- AI	AI	*	% Al	≥ 5/16	AI 2	٨١	_
42.0	42.7	42.7	42.7	43.3	43.3	44.0	44.0	44.1	44.7	44.7	44.7	44.7	44.	K
44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	-
44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	0.84	48.0	48.0	48.0	-
44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	0.84	48.0	48.0	48.0	-
45.3	0.94	0.04	46.0	47.3	47.3	0.84	0.84	48.7	48.7	48.7	48.7	48.7	48.	
45.3	0.94	46.0	46.0	47.3	47.3	48.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	_
50.0	30	50.7	50.7	52.0	52.0	52.7	52.7	53.3	53.3	53.3	53.3	53,3	53.3	100
50.7	51.3	51.3	51.3	52.7	52.7	53.3	53.3	24.0	24.0	54.0	54.0	54.0	54.0	-
57.3	58.0	58.7	58.7	0.00	0.09	50.7 60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	-
58.7	59.3	60.0	0.09		61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	~
58.7	59.3	0.09	0.00	61.3	61.3	62.0	62.0 62.0	62.7	62.7	62.7	62.7	62.7	62.	
62.7	63.3	64.0	64.0	65.3	65.3	0.99	0.99	66.7	1.99	1.99	66.7	66.7	66.7	~
62.7	63.3	64.0	0.40	65.3	65.3	0.99	0.99	1.99	1.99	66.7	66.7	66.7	.99	
63.3	64.0	64.7	64.7	66.7	66.7	67.3	67.3	0.89	68.0	0.89	68.0	68.0	68.0	-
0.49	64.7	65.3	65.3	67.3	61.3	68.0	0.89	1.89	68.7	68.7	68.7	68.7	68.	
68.7	6.69	70.0	70.0	72.0	72.7	73.3	73.3	74.0	74.0	14.0	74.0	74.0	74.0	0
72.0	72.0 72.7	73.3	73.3 73.3	75.3	76.0	76.7	76.7	77.3	77.3	17.3	77.3	77.3	77	-

42.7 43.3 40.7 43.3

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VI VI 00091 VI 00000

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(FEET)

37.3

NO CEILING

-		•		2	2	2			2	2							
10000	43.3	48	50.0	50.7		50.7	2.	2	52.7		3	3.3		3	3		
00 AI	0.44	48	50.7	51.3	51.3	51.3	52.7	52.7		53.3	\$	0		*		54.0	
	48.0	55	57.3	58.0	58.7	58.7	0		2.09	1		1.3		-		-	
7000	49.3	56.7	58.7	59.3	0.09	0.09	61.3	61.3	62.0	62.0	62.7	2.7	62.7	62.7	62.7	62.7	
	6.65	56.	58.7	59.3		0		-	2	2	2.	-		~		N	
200	51.3	09	62.7		0.49	0.49	65.3	65.3	.9	0.99	1.99	1.9	1.99	66.7	1.09	1.99	
	51.3	60.	62.7	63.3	64.0			5	0	9	•			66.7	66.7	1.99	
1 11	52.0	61.	63.3	0.49	64.7	. 4	.0		-	-	0.89	8.0	0.89	0.89		0.89	
	52.7	62.	0.49	1					00	00				68.7		68.7	
3000	55.3	63	68.7	6.69	70.0	70.0	N	•	73.3			4.0		*		74.0	
	57.3	68	72.0		73.3			0	0			6.1				77.3	
7000	59.3	74.	77.3	78.0	79.3	79.3						3.3				83.3	
1	59.3	74.	78.0		0	0	3		3		4.	0.4		4.		84.0	
1500	59.3	76.	80.7	82.0	83.3				87.3			8.0		8		88.0	
1	59.3	77.	81.3	82.7	3				8		0	6.3		6		89.3	
1 11	59.3	78	82.0	83.3	7.48		88.0		89.3			0.0		0	0.06	0.06	
	59.3	79.	0.48		87.3						3			3		93.3	
8	59.3	19.	84.0		87.3				2		3	3.3		8		63.3	
	59.3	79.	84.0	30	87.3				2	177	*	0.		4.		0.46	
8	86.3	79.	84.7	86.0	88.0	88.7	92.0			0.46	•	4.7	1.56			1.46	
	59.3	6	84.7				92.0	92.7		0.76	1.96	24.7		6.56		95.3	
8	59.3	62	85.3	86.7	88.7	89.3		63.3	0.76		0.96	0.96	1006	1.96	1.96	196.7	
	59.3	80.	86.0	87.3		0.06	93.3	0.46		0.96	1.96	26.7	61.3	61.3		61.3	
8 1 A I	59.3	80.	86.0	87.3	89.3	90.0	93.3	0.46	1.76			6.16	0.86	98.0	98.7	2.86	
	59.3	80.	86.0	87.3	89.3	0.06	93.3	1. 76	95.3	4.96	0.86	0.86	1.86	68.7	66.3	66.3	
١٨١	59.3	80.	36.0	87.3	89.3		3.	4.7	6.36			0.86	1.86	98.7	66.3	0.00	

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

06 MOURS (1.5.T.) YOU MAN

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							ISIA	BILITY (ST	VISIALITY (STATILTE ALIES	193						
CEILING																
(1997)	2	٨١	N AI	۸I	٨١	Y 21/2	AI	VI %	VI Z	71	% AI	*	Z Al	> 5/16	AI	٥
NO CEILING	32.0	39.3	1	40.7	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7	42.7
1 20000	33.3	40.7		42.0	45.0	43.3	0.55	0.44	44.0	0.55	0.44	0.44	0.44	44.0	44.7	44.7
	33.3	40.7	1	42.0	42.0	43.3	0.55	0.44	0.44		0.44		0.44	44.0	44.7	44.7
N 16000	33.3	40.7		45.0		43.3	0.44	0.44	44.0	44.0	44.0	0.44	0.44	44.0	44.7	44.7
	33.3	40.7	1	42.0		43.3	0.44	0.44	0.44	44.0	0.44			0.44	44.7	44.7
> 12000	33,3	40.7	41.	42.0	42.0	43.3	44.0	0.44	0.44	44.0	0.44	0.44	44.0	44.0	44.7	44.7
1 -	36.7	44.7	1	0.94		47.3	48.0	48.0			48.0		46.0	0.84	48.7	48.7
000 AI	38.0	0.95		47.3	•	48.7	49.3	69.3	49.3	49.3	49.3	6.65	6.64	49.3	50.0	50.0
1	44.0	52.0		53.3	53.3	54.7	55.3	55.3			55.3		55.3		56.0	56.0
7000	46.0	54.0		55.3	55.3	56.7	58.0	58.0	58.0	58.0	58.0		58.0	58.0	58.7	58.7
	46.7	55.3	1	56.7	57.3	58.7		0		0		0		0	60.7	400
2000	48.0	58.7		0.09	60.7	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3		0.49	0.49
1	48.0	0.09	.09	61.3	62.0	63.3	54.7	64.7			64.1	4			65.3	65.3
004 1 A I	48.0	0.00		61.3	62.0	63.3		64.7	1.49	64.7	64.7	64.7	64.7	64.7	65.3	
	50.0	52.7	63.	64.7		66.7			00	80		8		68.0		
3000	52.0	66.7		68.7			72.7	72.7	72.7	72.7	72.7	72.7	72.7		73.3	73.3
1	54.0	7.07	71.	72.7	73.3	0.9/					77.3	77.3	11.3		76.0	78.0
7000	56.0	72.7	73.3	74.7	75.3	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	
	56.0	72.7	1	74.7	75.3	78.0	80.7	80.7	80.7	80.7	80.7	30.7	80.7	80.7	81.3	61.3
1500	56.7	76.0	77.	78.7		82.0		84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3	
	56.7	77.3	1	80.0	80.7	83.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	88.0	0.88
1 71	56.7	78.0		81.3	82.0	85.3	89.3	89.3	0.06	0.06	0.06	0.06	0.06	0.06	1.06	1006
	56.7	78.0	1	81.3	82.7	0.99	0.06	0.06		4.06	1.06		40.06	40.0	91.3	6116
8	56.7	78.0		82.0	84.0	87.3		91.3	92.0	92.0	95.0	95.0	92.0		92.7	92.7
	56.7	78.0	1	82.0	84.0	87.3	91.3	91.3	92.0	92.0	95.0	95.0		92.0	92.7	92.7
8	56.7	78.0	80.	82.0	84.0	87.3	92.0	0.26	92.7	83.3	63.3		93.3	3	0.96	0.46
	56.7	78.0	80.	82.0	84.0	57.3		92.0	93.3	0.46	0.46	0.46	0.76	4	1.46	1.76
141	56.7	78.0		2	84.7	88.0	93.3	93.3	4.7	5	65.3	95.3	95.3	95.3	0.96	
	56.7	78.0		82.7	84.7	0.88	0.46	0.46	95.3	97.3	61.3	81.3	61.6	97.3	0.86	0.86
30	56.7	78.0	80.	82.7	84.7	0.88	0.46	0.46	95.3	97.3	6.16	6.16	97.3	97.3	0.86	0.86
	26.7	78.0	00	82.7	84.7	88.0		0.46	65.3	61.3	61.3	81.3	0.96	0.86	1.36	2.36
٥	56.7	78.0	80.	82.7	84.7	88.0	0.46	0.46	95.3	97.3	97.3	61.3	0.86		98.71	

TOTAL NUMBER OF OBSERVATIONS

150

8088

DIRNAVOCEANMET SMOS

000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

73-77

(1 S T) NOV

804

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٨١	42.	48	48.	48	48	48.	51.	51.	55.	36.		50	90	62.	64.	68	73.	76.	78.	84	67	91.	92.	93	93	94.	96	97.		66	66	8
	AI	45.0	48.0	0.84	48.0	48.0	48.0	51.3	51.3	5	56.7		59.3	60.7	62.7	0.49	68.0	73.3	76.0	78.7	84.0	87.3	91.3		63.3	93.3	7.46	96.7	97.3	98.0		7.86	99.3
	≥ 5/16	42.0	48.0	48.0	48.0	48.0	48.0	51.3			26.7	56.7	59.3	60.7	62.7	0.49	0.89	73.3	76.0	78.7	84.0	87.3	91.3		93.3	63.3	4.1	1.96	97.3		48.7		19.3
	V VI	2.		0.84	3	00	48.0		51.3	55.3	56.7	20.1	59.3	2009	62.7	*	0.89				84.0	•	-	2		63.3	1.46	1.96	97.3				77.3
	*		48.0	48.0	48.0	48.0	48.0	51.3			26.7	56.7	59.3	1.09	62.7	0.49	0.89	73.3	75.0	78.7	94.0	87.3	91.3	056	63.3	93.3	1.56	1.96	61.3	8			28.0
	% Al	45.0	48.0	48.0	48.0		48.0	-		55.3	56.7	1.95	59.3	1.09	62.7	0.49	68.0	3	76.0		84.0	87.3		95.0	93.3	63.3	1.46	0.96	1.96	1.	97.3		6.16
ES)	-	45.0	48.0	48.0	48.0	48.0	48.0	51.3	-	55.3	9	26.7	59.3	60.7	62.7	0.49	68.0	73.3	16.0	1.8	84.0	87.3	•	91.3		92.7	0.46	95.3	0.96	. 9	0.96		0.96
ATUTE MILI	VI VI	42.0	48.0	0.84	48.0		00	51.3		55.3	9	26.7	59.3	2.09	62.7		0.89	73.3		78.7	4	-	0			45.7	0.46	95.3		è.			0.06
VISIBILITY (STATUTE MILES)	VI 7/2	41.3	47.3	47.3	47.3	47.3	47.3	50.7	50.7	24.7		26.0	58.7	0.09	62.0	63.3	67.3	72.7	75.3	78.0		86.7	0.06			95.0	63.3	1.56	95.3	2.	65.3		65.3
VIS	7 7	41.3	47.3	47.3	47.3	47.3	47.3	50.7	50.7	24.7	56.0	56.0	58.7	0.00	62.0	63.3	67.3	72.7	74.7	77.3	82.7	0.98	89.3	0.06	61.3	91.3	0.26	92.7	92.7	92.7	92.7		92.7
	≥ 2%	41.3	47.3	47.3	47.3	47.3	47.3	20.1	50.7	24.7	56.0		58.0	59.3	61.3	62.7	7.99	12.0	74.0	16.7	82.0	85.3		0	0.06	0.06	1.06	1006	90.7		20.1	90.7	30.1
	N AI	41.3	46.7	46.7	40.7	46.7	46.7	50.0	50.0	24.0	3		57.3	58.7	60.7	62.0			72.0		78.7	81.3		85.3	;	86.0	86.0	86.0	86.0	. 9	86.0		86.0
	A I	0.04	44.7	44.7	44.7	44.7	44.7	47.3	47.3	51.3	52.7	52.7	54.0	24.7	56.7	58.0	60.7	0.99	67.3	6.69	73.3	75.3	78.0	78.7	79.3	19.3	79.3	19.3	79.3	79.3	79.3		6.61
	\$ 41	40.0	44.7	44.7	44.7	44.7	44.7	47.3	47.3	50.0	51.3	51.3	52.7	53.3	55.3	56.7	59.3	64.7	65.3	67.3	71.3		75.3		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	1001
	۸I	36.7	41.3	41.3	41.3	41.3	41.3	0.44	44.0	46.7	47.3	47.3	48.7	0		2	55.3		2.09	62.0	0.99	68.0	69.3	69.3	69.3	69.3	69.3	69.3	6	0	6		59.3
	2	28.7	32.7	32.7	32.7	32.7	32.7	34.7	34.7	30.7	37.3	37.3	38.0	38.0	39.3	0.04	41.3	43.3	0.44	44.7	46.0	47.3	48.0	0.84	48.0	0.84	0.84	0.84	48.0	0	48.0	0.8	48.0
CEILING	(FEET)	NO CEILING	≥ 20000		N 16000		≥ 12000		> 0000 ₹		2 7000		2 2000		1 1		300		2000		> 1500		001		008 AI		8		VI 84	38		8	

O C C M W M L M L C C M C C M M C M M L L M C M M C

TOTAL NUMBER OF OBSERVATIONS

150

188

100

NOV NEWS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC GLENVIEW, ILLINUIS

	٥	39.3	200	200	50.7	50.7	51.3	55.3	55.3	57.3	58.7	58.7	60.7	60.7	0.49	66.7	72.0	75.3	79.3	80.7	84.7	87.3	92.7	93.3	0.46	0.46	7.96	97.3	97.3	98.7	8.66	99.3	000
	7		0	•	0	0	1.3		5.3	7.3	18.7	58.7	1.	-	0		2.0		79.3			7.3	12.7	3.3	0.4	4.0	10.3	7.3	7.3	1.86	66.3	66.3	0.00
	5/16	9.3					1.3		5.3		1.	8.7	1.0	-	0	6.7	2.0 7	5.3	6.3	0.1	4.7	.3			6 0.4		6.7 9	.3	6.		•	.3	9.316
	AI %	61		•			.3 5		3.3			.7 5	.7 6	~	0.	.76	.0 7	.3 7	.3 7								6 1.0				.3 9	.3 9	0
	Al **	W 1	7 4			,7 50			3 55		.7 58	-	.7 60	.7 60	9 0.	.7 66	.0 72	.3 75	.3 79	.7 80	- 7	3 8	.7 92	.3 93	· 0 ·	6 0	.7 96	.3 91			.3 99	1	2 90
	٨١		000	00		200	5 51.	5	3 55	-	58	7 58	60	1 60	40	99 /	0 72.	13	19	80	4		1 92.	93,	96	4	96	97	3 97.	86 /		66 5	00
	AI		5	200		20.	51.	5	55.		8	58.	.09	-09	64.	.99	N	5	6	0	84.			63	94.	•	÷	•		8	66	66	66
(S)	Ā	39.3	•	•	0	0	51.3	3	55.3		58.7		60.7		•		72.0	5		80.7	84.7		92.7		*	4	7.96	97.3	97.3	98.0	98.0	98.0	0.80
TUTE MILE	71 1	39.3	0	•	0	0		5	55.3	-	00	8	2.09	0	0.49		72.0				;	87.3	92.0				95.3	•		9	9	96.7	96.7
VISIBILITY (STATUTE MILES)	۲۱ کا ۲۷	39.3	000	200	20.1	20.1	51.3	55.3	55.3		58.7	58.7	60.7	40.7	0.49	1.99	72.0	75.3	6	80.7	84.7		61.3	0.26	92.7	92.7	1.96	8.56		0.96	0.96	0.96	0.00
VISIB	Z AI	39.3	•	1.00		•		5	55.3	-	58.7	*	1.09	ò	0.49	2.99	72.0		19.3	80.7	7.5	87.3	91.3	92.0	32.7	32.7	0.46	0.46	0.56	0.46	94.0	0.96	0.46
	≥ 2%	8	0	ċ	•	0.0	0.7	1.	1		8.0	0	60.00	0.0	3.3	0.9	7	4.7	8.7	0	0.4	6.1	2.0	1.3	2.0			12.7	12.7	12.7	75.7	12.7	12.7
	6 41	8.7	0.0	0.0	0.0	0.0	0.7 5	4.7	4.7	6.7	8.0 5	8.0	6.3	6.3	2.7 6	4.1	0.0	3.3	7.3	8.7 6	2.7		6.3	0	1.0	1.0	1.3 9	1.3 5	1.3 %	1.3	1.3 9	1.3 5	1.3
	-	8.7 3		2.0	9.3	9.3 5	0.0	4.0 5	4.0 5	5.0.5	7.3 5	-	8.7 5	8.7.8	2.0 6	4.0	9.3 7	2.7 7	7 7.9	8.0.7	1.3 8	8 0 9	7.3 8	8.0	8.09	8.0	8.7 9	8.7 9	6.1	6.7.9	8.7 9	8.7 9	9.7
	۸۱	.7 3	9 .	.3 4	.3 4	.3 4	.0 50		.0 50	0	.3	-	.7 5	.7 5	0.	00	.3 6	.7 7.	10.	.3 7	0.	. 7	.0	0.	0.	.0 8	8 0.	8 0.	3	.0	.0	8 0.	0 8
	Al	-	4	*	1	-	1	3	m	3	~	6	~	2	C	90	~	0	3	-	0	0	7 84	-	-	7 84	7 84	7 84	7 84	7 84	7 84	7 84	7 84
	٨١	38	-		-		-	53.	-	_		1				1							1 78.					-	78.	-		1 78.	_
	2	30.7				38.7	38.7	42.7	42.7	0.44	44.0	44.0	44.7	44.	48.0	6.6	53.3	55.3	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	-	57.3	-	57.3	
CEILING	(FEET)	NO CEILING	2	18000			≥ 12000		000		700	1	2000		141		3000	1	7000	1	1500		1000		80		8		1 40		30		٥

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

1.5 HOURS (1.5.7.) NOV

2

				PERCE!	INTAGE (FROM	FREQUE HOURLY		NCY OF OCCUR	OCCUR	RENCI	ш				1.5 HOURS (1	5
CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	(53						
(FEET)	2	٨١	8	٨١	۸I	> 2%	7	٧١ %	¥ 1	- AI	% AI	*	Z Al	≥ 5/16	X Al	٨١
NO CEILING	32.	35.3	35.3	35.3	36.0	36.0	36.7	36.7	36.7	36.7	36.1	36.7	36.7	36.7	36.7	36.7
≥ 20000	36	40.0		40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
V 18000	36.7	40.0	0.04	0.04	40.7	40.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
14000	36.7	40.0	40.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
	30.7	40.7	40.7	40.1	41.3	41.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42.0	45.0
7 12000	37.3	42.0	45.0	45.0	42.7	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
1	41.3	1	40.7	46.1	47.3	47.3	0.84	0.84	0.84	48.0	0.84	0.84	0.84	48.0	48.0	48.0
000	41.3		46.7	46.7	47.3	47.3	48.0	0.84	48.0	48.0	48.0	48.0	48.0	48.0	48.0	0.84
	44.7		52.0	52.0	53.3	53.3	54.0	54.0	24.0	54.0	24.0	24.0	24.0	24.0	24.0	24.0
1 1	45.3	53	53.3	53.3	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
1	46.0	53.		54.0	55.3	55.3	56.0	26.0	26.0	56.0	26.0	26.0	20.0	26.0	26.0	56.0
2000	48.0	55.		56.0	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
	48.0	56.	57.3	57.3	58.7	58.7	59.3	89.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
1 1	48.0	56.	57.3	57.3	58.7	58.7	59.3	39.3	0.09	0.00	0.09	0.09	0.09	0.09	0.09	0.09
	51.3	• 09	61.3	61.3	62.7	62.7	63.3	63.3	0.49	0.49	0.49		0.49	0.49	0.49	0.49
3000	55.3	65.	1.99	1.99	68.0	0.89	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
	59.3	70.	71.3	71.3	72.7	12.1	73.3	73.3	0.4/	74.0	14.0	14.0	14.0	14.0	74.0	74.0
1 2000	0.20	74.	76.0	76.7	78.7	78.7	79.3	19.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	0.29	74.	76.0	76.7	78.7	78.7	79.3	19.3	80.0	80.0	80.0	90.0	80.0	80.0	80.0	80.0
1500	63.3	78.	•	80.7	82.7	82.7	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
	0.49	80.	81.3	82.7	85.3	65.3	86.0		88.7	88.7	68.7	88.7	88.7	88.7	88.7	88.7
1000	0.49	63.	84.7	87.3	0.06	40.7	91.3	63.3	0.46	0.46	0.46	0.46	0.46	0.76	0.46	0.46
	0.49	83.	84.7	88.0	91.3	2	92.7	4.7	65.3	65.3	95.3	95.3	95.3	95.3	95.3	95.3
8	0.49	83.	84.7	88.7	93.3	0.76	4.7	49.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	0.49	83.	84.7	88.7	63.3	94.7	08.3	97.3	0.86	98.0	0.86	98.0	0.86	98.0	0.86	0.86
§	0.40	œ	84.7	88.7	93.3	4.3	95.3	87.3	98.0	98.0	98.0	0.86	0.86	98.0	0.86	0.86
	64.0	83.3	84.7	63.7	63.3	64.1	95.3	61.3	0.86	98.0	0.86	0.86	98.0	0.86	98.0	98.0
VI 400	0.49	83.3	84.7	88.7	93.3	64.7	95.3	97.3	0.86	0.86	0.86	93.0	98.0	98.0	0.86	98.0
		83.3	84.7	88.7	93.3	64.7	95.3	97.3	98.0	0.86	98.0		0.96	98.0		0.86
141	0.49	83.3	84.7	88.7	63.3	94.7	0.96	0.86	98.7	7.86	98.7	28.1	7.86	98.7	98.7	98.7
	;	83.3	84.7	88.7	93.3	64.7	0.96	0.86	68.7	7.86		98.7	66.3	66.66	88.3	99.3
١٨١	64.0	83.3	84.7	86.7	63.3	64.7	96.0	0.86	7.86	98.7	98.7	98.7	66.3	86.3		0000

TOTAL NUMBER OF OBSERVATIONS

150

0

0

14855 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINOIS

14855

1.8 HOURS (1.5.7.) NON

1										
		≥ 5/16	0.04	42.7	42.7	42.7	43.3	46.0	6.65	
		N N N S/16	0.04	42.7	42.7	42.7	43.3	46.0	49.3	40
		*	0.04	42.7	42.7	42.7	43.3	46.0	6.65	
		% Al	0.04	42.7	42.7	42.7	43.3	0.95	49.3	
RENCE (S)	(S)	- AI	0.04	42.7	42.7	42.7	43.3	46.0	6.65	
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	VISIBILITY (STATUTE MILES)	N N N N N N N N N N	40.0	42.7	42.7	42.7	43.3	46.0	49.3	
SERVA	BILITY (ST.	۷۱ ۲۷	0.04	42.7	42.7	42.7	43.3	0.94	6.65	
UENC LY OB	VIS	1 N	0.04	42.7	42.7	42.7	43.3	46.0	49.3	
FREG		> 2%	40.0	42.7	42.7	45.7	43.3	46.0	69.3	* **
TAGE		N AI	40.0	42.7	42.7	42.7	43.3	0.95	49.3	
PERCE!		4	0.04	42.7	42.7	42.7	43.3	46.0	49.3	
		\$0 A1	39.3	42.0	42.0	45.0	42.7	45.3	48.7	
		• AI	4.0 38.7 39.3 40.0 40.0 40.0 40.0 40.0 40.0 40.0 40	41.3	42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7	6.0 41.3 42.0 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7	42.0	8.7 44.7 45.3 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0	48.0	
		0	0.4	0.0	0.0	0.9	6.7	8.7	1.3	

CEILING										,						
(FEET)	2	۸I	S A1	AI	e Al	≥ 2%	7 7	¥1 ¥	VI %1	Ā	% Al	* AI	V.	≥ 5/16	NI NI	٨١
NO CEILING	0	38.7		0.04	40.0	40.0	0.04		40.0	0.04	0	0.04	0.04	0.04		40.
¥ 20000	36.0	41.3		42.7	42.7		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.
	C	41.3	42.	45.7	42.7	42.7	42.7	42.7	42.7	42.7	45.7	45.7	•	42.7	42.7	42.
N 16000	0	41.3		42.7	42.7	45.7	45.7	42.7	42.7	42.7	45.7	45.1	42.7	42.7	42.7	45.
	~	42.0		43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.
12000	1	44.7		46.0	0.95	46.0	0.95	46.0	46.0	46.0	0.95	46.0	40.0	46.0	46.0	40.
	3	0.84	48	49.3	49.3	66.3	49.3	6.65	49.3	49.3	6.64	6.65	49.3	6.65	49.3	*65
8	41.3	48.0		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	64
1		56.0		57.3	57.3	57.3	57.3		57.3	57.3	57.3		57.3	57.3	57.3	57.
141	0	58.0		59.3	59.3	59.3	89.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.
1	0	58.0		59.3	59.3	59.3	60.09	0.09	0.09	0.09		0.09	0	0.09	0.09	60
2000	1	61.3		63.3	63.3	63.3		0.49	0.49	64.0	0.49	0.49	64.0	64.0	0.49	64.
	1.	61.3		63.3	63.3	63.3	0.49					*		0.40		. 99
1 400	~	62.0		64.0	0.49	0.99		64.7	64.7	1.49		64.7	64.7	64.7	64.7	. 40
	0	64.7		66.7	1.099	66.7	67.3									
3000	1	0.89		71.3	71.3	71.3		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.
	3	71.3		74.7	74.7	10		0.97	76.0	76.0	76.0		76.0	76.0		76.
7000	1	78.3		80.0	80.0	81.3		82.0		82.0		85.0	2.		82.0	82.
1	1	76.0		80.7	80.7		2	82.7		82.7		82.7	82.7	82.7	82.7	82.
1500	0	79.3	60	86.0	86.0	87.3	88.0	0.88	88.0	88.0	88.0		88.0		88.0	88.
1	0	80.7	85.	83.0	88.7	0		7.06	40.7	7.06	7.06	40.1	40.7			90
1000	0	81.3		88.7	1.06	92.0	93.3	63.3	93.3	93.3			93.3	93.3	93.3	93.
	0	82.0	87.	0.06	92.7	0.46	95.3	95.3	3	6.36	95.3	95.3		95.3		95.
8	0	82.0		0.06	1.26	*	95.3	•	95.3	0.96	•	•	0.96	96.0	9	96
	0	82.0		0.06	63.3	64.7	0.96	0.96		7.96		46.7	6.7		7.96	96
8	0	82.0		0.06	63.3	94.7			•	46.7	1.96	1.96	1006	96.7	1006	96
	0	82.0	37	0.06	0.46	95.3	1.96	7.96	9	97.3	67.3	61.3	-	97.3	97.3	97.
4	0	82.0		0.06	0.46	95.3	7.96	1.96	1.96	98.0	98.0	8		98.0	8	98
	0	82.0	87.	0.06	0.46	65.3	1.96	0	1.96	66.3	66.3	66.3	66.3		•	66
30	0	82.0	87.	0.06	0.46	65.3	66.7	0	1.96	•		6	6	6	6	
8	58.0	82.0	87.3	•		95.3	1.96	97.3	97.3	.00	0.		0	•	0	00
	0	82.0	9	0.06	0.06	75.5	1.96	:	.3	_	0.0	00	0.0		0.001	00

0 0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

21 HOURS (1.5.7.) NOV

000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	2	٨١	S) Al	AI	٨١	≥ 2%	7	٧١ ٧٧	VI 7.	- AI	% Al	*	% Al	≥ 5/16	AI	٥
O CEILING		36		37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3		38.0	38.0	38.7
Z 20000		40.		40.7	40.7	40.1	40.7	40.1	40.7	40.7		40.1	41.3	41.3	41.3	45.0
		.04	40.1	40.7	40.7	40.	40.7	40.7	40.1	40.7	40.7	40.1	41.3	41.3	41.3	45.0
N 16000	35.3	40.	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.1	41.3	41.3	41.3	45.0
	5	40	40.7	40.7	40.7	40.	40.7	40.7	40.7	40.7	40.1	40.1	41.3	41.3	41.3	45.0
≥ 12000		41.	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42.7	42.7	42.7	43.3
	36.7		0.44	44.0	44.0	44.0	0.55	0.44	0.44	0.44	44.0	44.0	44.7	44.7	44.7	45.3
000	37.3		44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7		45.3	45.3	45.3	46.0
	4		52.7	52.7	52.7	52.1	52.7	52.7	52.7	52.7	52.1	52.7	53.3	53.3	53.3	24.0
7000	46.0			54.7	24.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0
1	9	54.	56.0	56.0	96.0	6.		56.0	9	•	•	26.0				57.3
2000	47.3	56.	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.7
	48.0	59	60.7	1.09	60.7	0	60.7	60.7	60.7		1.09	1.09		61.3	61.3	62.0
000		61.	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	63.3	63.3	0.49
		.99		0.89	68.0	0.86	0.89	0.89	0.89	68.0	0.89	68.0	68.7	68.7	68.7	69.3
3000				76.0		76.0				76.0	9	76.0	76.7	76.7	76.7	
		76.	78.7	79.3	79.3	6		19.3			79.3	19.3	80.0	80.0	80.0	80.7
7000		80.	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.7
1		80.	64.7	85.3	85.3	5	85.3	85.3		85.3	85.3	85.3		86.0	•	86.7
1500	60.7	84.	88.7	89.3	89.3		89.3	89.3	89.3	89.3	89.3	89.3	0	0.06	0.06	1006
		80	0.06	20.06	2.06	0	1.06	7.06	40.1	40.7	2.06	2006	91.3	91.3	91.3	92.0
1000		85.		2.06	2006	90.7	61.3	91.3	91.3	91.3	61.3	91.3	95.0	92.0	0.26	
		86.	40.0	91.3	0.76	92.0	92.7	92.7	92.7	92.7	92.7	92.7		93.3	63.3	0.76
008 AI		86.	2006	91.3	95.0	95.0	92.7	92.7	45.7	92.7	92.7	92.7	93.3	63.3	93.3	0.46
		86.	91.3	92.0	93.3		7.96	4.7	24.7	4.7	1.76	64.7	5	95.3	65.3	0.96
900		86.	92.0	45.7	0.46	0.76	65.3	65.3	95.3	95.3	65.3	95.3	0.96	0.96	0.96	1096
	•		92.0	93.3	1.56	1.76	0.96	0.96	0.96	0.96	0.96	0.96			46.7	97.3
400	0		92.0	63.3	4.7	94.7	0.96	46.7	1.96	2.96	1.96	1.96		97.3	97.3	0.86
	60.7		95.0	93.3	64.7	24.7	0.96	46.7	10.96	61.3	61.3	61.6			0.86	48.7
700	60.7		92.0	63.3	64.7	64.7	0.96	1.96	1.96	97.3	97.3	97.3	66.3	86.66		0.00
	0		95.0	3.	2.46	1.76	0.96	1.96	1.96	61.3	67.3	97.3	6		6	
٥	60.7		92.0	63.3	1.46	94.7	0.96	46.7	10.06	97.3	61.3	61.3	66.3	86.66	99.31	0000

TOTAL NUMBER OF OBSERVATIONS

150

0

AI AI

AI AI

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINOIS

14855

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST) NONTH N

200

72.6 82.4 87.0 95.2 61.8 81.6 95.4 99.4100.0 ٨١ 45.5 2005 81.4 82.3 86.8 4.49 89.3 58.3 72.4 76.6 94.3 96.5 40.04 9006 9.19 62.8 92.3 45.8 58.9 67.3 93.5 95.0 95.8 56.7 81.3 48.4 72.3 61.5 58.3 64.3 76.5 86.8 50.5 62.8 67.2 82.2 89.2 92.2 49.66 84.3 6.46 95.8 4.96 97.1 98.0 50.1 46.5 56.6 2 5/16 90.95 76.5 86.8 4.96 98.6 50.1 64.3 72.3 81.3 82.2 93.4 6.46 95.8 58.3 65.8 92.2 97.1 45.4 46.5 50.5 89.2 6.46 61.5 67.2 0.86 58.2 45.3 67.1 46.4 50.0 45.6 56.5 62.7 72.3 16.4 81.3 89.1 92.1 8.16 61.4 96.3 64.3 45.3 50.4 82.1 86.7 93.3 34.5 8.76 48.7 6.96 98.2 ٨I 45.3 45.6 76.4 81.2 81.3 82.1 8.46 96.2 40.4 50.0 50.4 56.5 58.2 58.8 61.4 64.3 72.3 96.8 45.3 67.1 86.7 94.2 1.68 92.1 93.3 62.7 ٨١ 45.3 72.2 96.0 58.1 67.0 67.0 82.0 82.0 0.68 96.4 97.4 61.2 61.3 61.3 62.6 62.6 76.3 95.1 95.5 45.3 46.3 56.4 64.2 64.2 86.6 91.9 93.2 93.8 94.0 45.5 6.64 6.64 50.3 50.3 58.7 96.8 97.8 94.4 94.7 <u>__</u> VISIBILITY (STATUTE MILES) 72.2 86.6 93.0 92.6 9096 45.3 56.4 89.0 91.8 8.96 46.3 1.96 45.5 56-3 56-3 56-4 57-9 57-9 58-1 58-5 58-5 58-7 80.7 80.9 81.2 7 ^! 45.1 41.6 8.99 8.65 8.65 50.2 95.6 0.46 94.6 95.6 62.4 62.4 71.9 € • 98 63.9 88.7 92.8 93.3 1.56 46.2 1.46 76.1 3.96 71 93.5 71.0 71.8 6.06 64.3 92.1 63.9 92.0 94.0 50.2 15.9 85.9 88.2 45.1 44.8 45.3 94.8 40.0 2.94 61.2 7 44.6 44.6 49.3 67.0 4.00 4.68 91.2 57.3 9006 55.5 55.8 62.9 84.9 57.8 80.0 49.7 15.1 79.7 91.7 45.4 45.7 63.1 2 2% 61.3 61. 57.1 65.8 0.65 85.8 65.5 60.1 4.01 78.8 7.68 8.06 44.3 9.44 57.6 74.3 26.64 83.8 80.3 44.3 4.64 89.1 90.1 90.5 90.7 8.06 40.1 44.3 82.3 59.9 60.3 45.0 50.5 39.8 73.3 48.9 56.8 77.8 78.3 87.4 87.6 44.2 43.9 48.5 54.00 56.3 61.8 64.5 69.3 85.9 86.7 86.9 87.3 84.7 87.1 84.1 Al 48.3 54.3 63.9 9.89 54.4 85.0 39.6 58.8 61.3 85.0 72.5 6.11 95.6 84.6 84.8 85.0 44.8 85.0 43.7 43.9 76.5 80.8 84.8 84.9 83.8 43.7 48.7 ۸۱ 45.9 43.8 47.3 58.3 65.3 74.6 4.08 57.3 42.7 18.9 80.4 80.4 80.4 80.4 42.7 47.7 53.3 34.6 54.9 59.8 70.3 73.9 77.6 80.1 80.5 80.5 80.5 66.7 80.4 80.5 ٨١ 56.7 57.8 57.8 6.94 2.1.5 52.8 56.8 57.8 57.8 37.2 39.8 68.3 34.8 57.8 57.8 57.8 33.3 36.5 36.5 45.3 57.8 57.8 57.8 44.3 6.65 57.5 57.8 36.5 36.7 45.5 40.2 2 NO CEILING (FEET) 18000 12000 000 000 000 2000 2000 4500 4000 3500 2500 1500 1200 88 80 × 20000 88 88 88

AI AI

AI AI

AI AI

AI AI

AI AI

AI AI

0

ALAI

0

AI AI

ALAI

TOTAL NUMBER OF OBSERVATIONS

1200

8800

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

GLENVIEW, ILLINDIS

73-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC HOUTE

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	٨١	% Al	AI	e vi	≥ 2%	1 2	71 71	¥1 VI	-	% Al	*	Z AI	≥ 5/16	AI Z	٨١
CEILING	25.	32.9	*	34.8	4	5	9		36.1	6	36.1	36.1	36.1	36.1		
≥ 20000	27.	35.5	36.8	37.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
18000	27.1	35.5	36.8			80		38.7		00	38.7	38.7	38.7	38.7	38.7	38.7
2 16000	27.1	35.5	;	37.4	37.4		38.7		38.7		38.7	38.7	38.7	38.7	38.7	
14000	27.1	35.5	36.8	37.4	37.4	38.1	38.7		38.7		38.7	38.7	38.7	38.7	38.7	
12000	29.0	37.4	38.7	39.4		0	40.7	•	40.7	40.7	40.7				40.7	40.1
10000	31.6	41.3				43.9	44.5	44.3	44.5	44.5	44.5				44.5	44.5
000	31.5	41.3	2.	43.2	43.2	m	44.5		•	44.5	44.5	44.5	44.5	44.5	44.5	44.5
8000	33.6	44.5		46.5	46.5	-	47.7	1	47.7	47.7	47.1		47.7	47.7	47.7	47.7
7000	33.6	45.2	;	47.1	47.1	47.7	48.4	48.4	48.4	48.4	48.4	•	48.4	48.4	48.4	48.4
9009	34.2	45.8		47.7	47.7	00	•	6	0.64	49.0	0.65	0.64		6		0.64
2000	34.8	46.5		48.4	48.4	0	49.7	49.7	49.7	0	49.7	•	0		49.7	49.7
4500	35.5	47.7	6	49.7	49.7	0		-		-		-				-
4000	36.8	49.0	0	51.0	51.0	51.6	52.3	2		2	52.3	52.3		2		52.3
3500	37.4	51.0	2	2	5.	103		3	4	4	54.2	54.2		4	*	54.2
3000	37.4	54.3	9		57.4	00	58.7	38.7	58.7	58.7	•	8	58.7	•		
2500	39.4	58.7	0		61.3			2		2.	•	2	5.		2	
7 2000	44.5	67.7	0.69	70.3	-		72.9		2	72.9			72.9		72.9	
1800	45.2	0.69	0		72.9	* 5	74.8	*	8.47	74.8		. 4	4	•	74.8	74.8
2 1500	45.8	72.9	;	76.1		00	78.7		78.7	8	78.7	*	00	00	78.7	78.7
1200	45.8	74.3	76.1	78.1	8	80.0		80.7	80.7	80.7	0		80.7	80.7		80.7
	46.5	76.1	78.7	83.5	3	. 9	87.1				87.1	87.1	-	-	87.1	87.1
000	46.5	76.8	19.4	84.5	85.8	-		88.4	8		88.4	88.4			•	88.4
008 Al	46.5	76.8	80.7	85.8	87.1		6.06	0	80.3	ċ	80.3	90.3	0	0	90.3	90.3
700	6.99	76.8	0	85.8	•	0	8.06	60.3		80.3		90.3	0	•	90.3	
009	46.5	16.8	81.3	86.5	88.4	0	92.3		93.6	*	93.6	3		3	3	93.6
200	46.5	76.8		87.1	0.68	-		65.5	95.5	96.8	96.8	8.96		. 9	8.96	
7 400	46.5	16.8	81.9	87.1	0	2.	36.1				1.86	1.86	98.7		3	
300	46.5	16.8	81.9	87.1			1.96	98.1	1.86	•	4.66			.6	4.66	4.66
	46.5	16.8	81.9	87.1	90.3		96.1	98.1	98.1	4.66	4.66	4.66	4.66	4.66	4.66	4.66
91	46.5	76.8	81.9	87.1		5	1.96	1.86		0.001	0	0		0	00.00	0.00
	46.5	76.8	81.9	87.1	90.3	92.3	96.1	98.7	98.7	100.00	0.001	00.00	00.00	100.001	00.00	0000

0

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0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

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GLENVIEW, ILLINUIS FATOR MANY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)	L WEATHER SERVICE DETACHMENT, ASHEVILLE, NC	CEILING	CEILING VERSUS VISIBILITY
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)		77-67	DEC
	_	YEARS	MONTH
	PERCENTAGE FREQUENCE	UENCY OF OCCURRENCE	O.3 NOURS (1.5.7.)

9410

28.4 33.6 34.8 33.7 13.8 1.7 1	CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES)	£S)						
28.4 33.6 34.2 33.5 37.4 37.4 37.4 37.4 37.2 28.4 34.2 34.8 36.1 38.7 38.7 38.7 28.4 34.2 34.8 36.1 38.7 38.7 38.7 28.4 34.2 34.8 36.1 38.7 38.7 38.7 28.4 34.2 34.8 36.1 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7	(FEET)	1		1000	4	1	1 1111		VI 2/2	VI 2.1	-	% Al	*	Z AI	2 5/16	7 AI	٨١
28.4 34.2 34.8 36.1 38.7 38.7 38.7 38.7 38.4 34.2 34.8 36.1 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7	O CEILING			3 3	m «	- a	- 00	1- 0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
10000 28-4 34-2 34-8 36-1 38-7 38-7 38-7 38-7 38-8 36-6 36-9 34-8 36-1 38-7 38-7 38-7 38-7 38-7 38-7 38-7 38-7	18000				0	8	100	9	30	00	000	8	8	00	00	8	
12000 28.4 34.2 34.6 36.1 38.7 38.7 38.7 36.12000 29.0 34.8 35.5 36.8 39.4 39.4 39.4 39.4 39.4 39.4 39.4 39.4				*			•	8	38.7	38.7	38.7	38.7	8		00		
12000 29.0 34.8 35.5 36.8 39.4 39.4 39.4 39.6 39.0 31.0 39.4 40.0 41.3 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43				*			œ	60	38.7	38.7	00	38.7	8	38.7	00		38.7
10000 31.0 39.4 40.0 41.3 43.9 43.9 43.9 43.0 9000 31.0 39.4 40.0 41.3 43.9 43.9 43.9 43.9 43.0 31.0 31.0 31.0 41.3 42.6 45.2 45.2 45.2 45.3 32.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43				2	0	6	6	6		6	0	6	6	•	6	39.4	
9000 31.0 39.4 40.0 41.3 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 43.9 45.2 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3 47.7 <th< td=""><th></th><td></td><td></td><td>0</td><td>-</td><td></td><td>3.</td><td></td><td>3.</td><td></td><td></td><td>43.9</td><td>3</td><td></td><td>3</td><td></td><td></td></th<>				0	-		3.		3.			43.9	3		3		
8000 31.6 40.7 41.3 42.6 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.3 47.7 48.4 49.7 45.3 47.7 47.7 48.4 49.7 47.7 47.7 47.7 47.7 48.4 49.7 47.7 47.7 47.7 48.4 49.7 47.7 47.7 47.7 47.7 48.4 49.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 <th< td=""><th></th><td></td><td>39.4</td><td>0</td><td>-</td><td>3</td><td></td><td>3</td><td>•</td><td></td><td>20</td><td></td><td>3</td><td></td><td>*</td><td>•</td><td></td></th<>			39.4	0	-	3		3	•		20		3		*	•	
7000 31.6 41.3 41.9 43.2 45.8 45.8 45.8 45.8 5000 32.9 43.2 43.9 45.2 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47	1		40.7	:		5	•	5		3		45.2	5	45.2	5.	45.2	
31.6 41.9 42.6 43.9 46.5 46.5 46.5 46.5 47.7		•	41.3	-		ŝ	•	5	2	45.8		•	5	2	5	2	5
3000 32.9 43.2 43.9 45.2 47.7 47.7 47.7 47.7 47.7 47.7 42.0 53.0 53.6 46.5 47.1 48.4 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0			41.9	7	100	\$	0	.9	46.5	0	·	0	9		0	46.5	
1500 33.6 46.5 47.1 48.4 49.7 52.3			3	3.	-		-	:	-	7	47.7	7	1.	-	7	47.7	
25.00 34.8 47.7 48.4 49.7 52.3 52.3 52.3 52.3 52.3 52.3 52.3 50.0 37.4 50.3 52.3 53.6 56.1 56.1 56.1 56.1 50.0 37.4 51.4 51.6 53.6 54.8 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4				1	œ	-	-	-		51.0	-	51.0	1:	51.0	-	-	-
3500 37.4 50.3 52.3 53.6 56.1 56.1 56.2 3000 37.4 51.6 53.6 54.8 57.4 57.4 57.4 57.5 2500 40.0 55.5 57.4 60.0 62.6 62.6 62.6 62.6 62.6 62.6 62.6			-			2	2	2.				2	52.3	3	2	52.3	
3000 37.4 51.6 53.6 54.8 57.4 57.4 57.6 57.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62			.0	2	200	9	•	9	9		9	0	9		0	0	9
2500			-		*	7		1		2		•	-	-	-		
2000 43.2 62.6 64.5 69.0 72.3 72.3 72.3 72.1 1500 43.2 62.6 64.5 69.0 72.3 72.3 72.3 72.3 72.1 1200 43.9 65.2 71.0 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2			5.		0	2	2	2	2.		2.	2	5		2	3	2
1800			2	+		3	N	2.	2	2	2	N	2.	2	2	3	
1300 43.9 63.9 66.5 71.0 74.2 74.2 74.1 1000 43.9 65.2 67.7 72.3 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1			2	•	0	2.		2.				72.3	2.		3	72.3	
1200	1		3	5	-			. 5	,		4		4 .	*	4	;	
1000 43.9 67.1 70.3 75.5 79.4 80.0 80.0 80.0 43.9 69.7 72.9 80.7 84.5 85.8 87.0 69.7 72.9 80.7 84.5 85.8 87.0 69.7 73.6 81.3 85.2 86.5 88.4 90.0 43.9 69.7 73.6 81.3 87.1 88.4 90.7 92.40 43.9 69.7 73.6 81.9 89.0 91.0 93.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.9 69.7 73.6 82.6 89.7 91.6 94.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0 4				1.	~	.9	9	. 9		•	9	•	. 9	. 9	.0	•	•
\$00 \$43.9 \$69.0 72.3 79.4 \$3.2 \$4.5 \$85.8 \$00 \$43.9 \$69.7 72.9 \$0.7 \$84.5 \$85.8 \$87. \$00 \$43.9 \$69.7 73.6 \$81.3 \$87.1 \$88.4 \$90. \$00 \$43.9 \$69.7 73.6 \$81.9 \$89.4 \$90. \$90. \$00 \$43.9 \$69.7 73.6 \$81.9 \$89.0 \$91.0 \$94. \$00 \$43.9 \$69.7 73.6 \$82.6 \$89.7 \$94. \$94. \$00 \$43.9 \$69.7 73.6 \$82.6 \$89.7 \$94. \$94.			7.	:		6	0	0	80.7	80.7	81.3		31.3	:		-	-
800 43.9 69.7 72.9 80.7 84.5 85.8 87. 700 43.9 69.7 73.6 81.3 85.2 86.5 88.4 90. 500 43.9 69.7 73.6 81.3 87.1 88.4 90. 40. 43.9 69.7 73.6 81.9 89.0 91.0 93. 200 43.9 69.7 73.6 82.6 89.7 91.6 94. 100 43.9 69.7 73.6 82.6 89.7 91.6 94. 0 43.9 69.7 73.6 82.6 89.7 91.6 94. 0 43.9 69.7 73.6 82.6 89.7 91.6 94.			6	2		3	4 .	5	3	•			. 9		9	86.5	
700 43.9 69.7 73.6 81.3 85.2 86.5 88.6 50.0 43.9 69.7 73.6 81.9 87.1 88.4 90.7 92.0 43.9 69.7 73.6 81.9 89.0 91.0 93.0 43.9 69.7 73.6 82.6 89.7 91.6 94.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97					ċ	*		-			-	-	-	1.	-		-
500 43.9 69.7 73.6 81.3 87.1 88.4 90. 500 43.9 69.7 73.6 81.9 89.0 91.0 93. 500 43.9 69.7 73.6 82.6 89.7 91.6 94. 500 43.9 69.7 73.6 82.6 89.7 91.6 94. 500 43.9 69.7 73.6 82.6 89.7 91.6 94. 500 43.9 69.7 73.6 82.6 89.7 91.6 94.			. 6	3.		5	. 9		4.88		6		6		5		
300 43.9 69.7 73.6 81.9 88.4 89.7 92. 43.9 69.7 73.6 82.6 89.0 91.0 93. 200 43.9 69.7 73.6 82.6 89.7 91.6 94. 100 43.9 69.7 73.6 82.6 89.7 91.6 94. 0 43.9 69.7 73.6 82.6 89.7 91.6 94.				-		-	8	0		2	~		2	3	2		92.5
200 43.9 69.7 73.6 81.9 89.0 91.0 93.0 200 43.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 63.9 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 73.6 82.6 89.7 91.6 94.0 69.7 91.6 94.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91			2.69			8.	6	2.		*	. 4	8.46	. 49	3	5	95.5	
300 43.9 69.7 73.6 82.6 89.7 91.6 94. 200 43.9 69.7 73.6 82.6 89.7 91.6 94. 0 43.9 69.7 73.6 82.6 89.7 91.6 94.			69.7	3	-	6	-	*	1	95.5	. 9					0	
200 43.9 69.7 73.6 82.6 89.7 91.6 94. 100 43.9 69.7 73.6 82.6 89.7 91.6 94. 0 43.9 69.7 73.6 82.6 89.7 91.6 94.			69.7		5	6	-	•	96.1	96.1	8.96	96.0	96.8	4.16	97.4		97.4
100 43.9 69.7 73.6 82.6 89.7 91.6 94.			0		5		-				œ		æ			4.66	66
0 43.0 59.7 73.6 82.6 89.7 91.6 94.			0	•	3		•	*	96.8	8.96		7.86	98.1	4.66		0000	
			2.69			89.7	-		•	•	8				4.6		

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINDIS

DEC

949

0.6 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٥	4.4	8.7	8.7	8.7	8.7	8.7	1.3	1.3	3.9	3.9	0.0	7.1	7.7	0.6	1.6	5.5	1.0	5.2	5.8	3.6	6.1	1.3	3.5	4.5	5.8	0.6	4.2	6.8	1.4	4.6	4.6	0.0
			7 3		3		3	3	3	3 6	4	4	1 4	7			10			0	6 7	-			90	8		0	8	4		4	2
	VI VI			38.	*	38.				43.		43.	47.	4.		-					3.	76.		3.		85.	88	. 56	96	.16	66	•	6
	9//8	4.6	•	•	8.7	8.1	8.7	1.3	1.3	•	3.9	3.9	7.1		0.6		5.5		5.5	5.8	3.6		1.3	3.5	4.5	5.8	0.6	•	8.0	1.4		8.1	3.
	Al	4	n		m	7	100		3	4			7		4	S	5	c	•		~	-		co	00				0		6		
	N Z		38.	0		8		41.		43.			47.	41.	6		5		5	3	73.		:	3	4			•	•		3	98	
	*	4.		8.7		8.7			•		3.9	3.0	7.1				5.5		2.5					3.5		5.8	4 . 4	3.6		1.9	4.4	7.4	4.
	٨١	4													4	2	50	0	2 6	0	1 9			2 3	9	30		0		6	6	4	0
	۸I		38.	38.		38		41.	41.	43		43.	47.	47.	6	-			3		3	76.		83.	*	5.		3	5	.96			•
	-	7.4		8.7	2.7		8.7	1.3	1.3	3.9	3.9	3.0	7.1	7.7	0.6		5.5		5.2		3.6	5.1		5.6		5.5			4.2		5.5	5.5	•
(ILES)			3	3	3		m	4		4		*	*	3		5	5	0	0	9	6	-	0	8	8	8	8	6 1		0		6	0
VISIBILITY (STATUTE MILES)	VI 32		8	38.	8	38.	•	0,	40.	3					8		54.	0			2	5	0	-	3	•	87.		-	2.	2		2
ry (ST,	17%	00	-			-	-		1.		~	2		. 1	4								•	a.	•				0		•		
SIBILI	ΛI	-	3	38	tal as		38		7 40	3	4	-	40	3		-	5					75	0		83	34	20	68		-	26		
>	AI	36.8	36.1	38.1	38.1	38.1	38.		40.7		43.2		46.5		48.4	51.6		3.09	64.	65.2	72.9	75.	79.4	81.3	82.6	83.9	86.5		91.0	91.0	-	91.6	91.0
	21/2	œ	. 1		8.1	8.1		1.	•	3.5	3.5	3.2	6.5	7.	9.6	0.1	4		4.5	5.2	2.3			0.0	6	1.3	3.2	5.5	1.1		-:		
	٨١	36	~	m	m		m	40	4	3	4	*	4	*	4	0	n	0	0	0	7	1	-	m		œ	00	00		-		ò	_
	۸I		37.4	1	•	37.4	37.4	40.0	40.0	42.6	42.6		45.8		47.7	50.3	54.2		63.9		71.6	73.6		19.4	80.7	80.	81.9	83.9	85.2	85.2		85.2	0
	•	1.0			4.	4.	7.	4.	4.	6.1	6.1				7.1	1.	3.6		9.6	3.5			. 8		5.			7.	0.0	0.0	0.0	0.	0.0
	٨١	36	m	~	37	3	3	30	(4)	4	4	4	*	4	4	*	5	3	9	0	0	71	-	16	1	7.7	1	19	æ	co	œ	80	3)
	45 Al										39.4		42.6		44.5		51.0		60.0		65.8									74.8	74.8	74.8	
	9				6.3																										3.5		
	۸۱		-											1		1				-	_						-				8 63		_
	2	23.	25	25.	25	25	25.	25.	25	27.	27.	27.	29.	29.	30.	32.	33.	35	38	38	39.	40.	40.	41.	41.	41.	4	41.	4	41.	41.3	-0	-4
CEILING	E .	CEILING	0000	0008	16000	000	12000	0000	0006	000	2000	000	2000	200	4000	200	3000	200	2000	800	1500	200	0001	006	800	700	900	200	400	300	200	8	•
CEIT	3	NOCE	14		71		AI AI	-	٨١		1 11		1 /1		IAI		141	1						AI	۸۱	٨	1 1	٨١	AI	A	I AI	Al	۸١

TOTAL NUMBER OF OBSERVATIONS

155

000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINGIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.0 HOURS (1.5.1.) DEC

2

CEILING							VIS	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۸۱	\$ 1	4	e Al	≥ 2%	Al	٧١ ٧١	VI 2/1	-	% AI	*	N N	≥ 5/16	AI	0 11
NO CEILING	20.0	23.2	25.2	26.3	27.1	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
00000	90	24.30						:		-				-	1	4 -
1 4 1 000	. N	26.5		0	0	31.0	310	: :	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.0
	5	27.1				-	2	2.	2	2.	2	2.		~	2	
> 12000	19	27.1	29.0	•	•	32.3	32.9	32.9	32.9		2.	2.	2		2.	32.9
N 10000	S	31.0			36.8		•	3		00		8		8	00	38.1
0006 AI		31.0		5	36.8						3	8		38.1	38.1	
0008 4	1.	33.6		00	40.0	•	1	-	41.3	-	-	41.3		-	-:	
≥ 7000	1	34.8		39.4	41.9	2	43.5	43.5				3	•		43.2	43.5
	-	34.8		•	41.9		3.	3	3		3.	3	3	43.2		43.2
> 5000		36.1		41.9	44.5	•	45.8		45.8	45.8	45.8	3		in.	•	
	00	37.4		4	7.		6	0.64	5	6	6		6	6	6	0.65
4000	0	38.1			0	•		•	51.6	51.6	-	-		-	51.6	:
	2.	45.0				5		0	6.	0	56.1	9	9	0		56.1
3000	*	45.2		4	58.7	6				·	0	0.09	0	60.09	0	0.09
		40.1		0	9	64.5	5	65.2	2.59	65.2		2		10	65.2	65.2
> 2000	7	51.0		65.6	66.5		69.7	0		0	0			0	6	69.7
1800	1.	51.0			9	67.7		69.7	4.69					1.69	69.7	
> 1500		53.6		66.5	70.3	2	14.8		74.8	4		*		. 5		74.8
	8	55.5			73.6	75.5	78.7				00		0	00		
1000	50	56.8		0	3	1.	81.3				83.6		100	83.9		
0% AI	03	37.4		71.0	16.8	0.08	63.9		85.8		86.5	86.5				
	00	58.1			78.1		85.8			86.4		8	8	88.4	88.4	88.4
	5	58.1		71.6	4.64	63.9		5	•	92.3	65.6	65.6	6.36	92.9	1	65.6
009 X	. 3	58.1		72.3	80.7	85.8	91.6	2.	93.6		1.96		1.96			1.96
200	00	58.1		72.3	81.3	.0		93.6	2.46	8.96	4.76	1.	4.16	4.16	1.86	98.1
	00	58.1			81.3		92.3	•	2.46			-				98.1
	38.7	58.1		72.3	81.3	86.5	120	2.46		4.7.6		1.86	98.1	98.1	4.66	4.66
۱۸ م		58.1		•	-		65.6	3				8				4.66
VI 8		58.1		72.3	81.3	86.5	6.26	34.5	8.46	4.16	1.86	58.1	1.86	98.1	4.66	0000
	9	50.1		-	1.	9	5.	4	*	:		00				

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

47.7

47.7

46.5

47.7 49.7

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48.4

45.2 0.64

32.3 34.5 37.4

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4500

ALAI

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47.1

46.5 46.5

43.9

2000

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38.1 38.1 32.9 32.9 38.1 34.8 38.1 44.5 45.8 32.9 32.9 34.8 33.1 38.1 44.5

38.1

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27.1 32.9 32.9 32.9 45.8

0000000010.66

45.8 46.5 47.7 47.7 44.5 45.8 40.5 47.7 45.8 44.5 44.5 46.5 45.8 47.7

46.5

46.5

40.5

46.5

46.5

46.5 47.7

45.8

65.2

47.7

47.7

47.7

47.7

47.7

63.2 71.6 74.8 24.0 49.7 58.7 1.69 58.7 63.2 71.6 49.7 24.8 69.7 58.7 63.2 1.69 11.6 54.8 63.2 71.0 1.69 54.8 58.7 49.7

69.7 71.6

0.69 71.0

0.69

0.69

0.69

68.4 70.3

71.0

71.0

11.0

69.7 71.6 73.6

4.89

63.2

45.6

1800

AI AI

1.69

63.9

45.6

58.1 9.79

58.1

58.1

58.1 58.1

57.4 61.9

56.1

52.9

3500

AI AI

54.2 54.2

54.2

53.6

52.3

62.6 62.6

62.6

62.6

60.7 66.5

56.1

38.1

61.3

41.3

2500

ALAI

54.5

71.6 71.6

63.2

63.2

69.7

58.7

58.7

54.8

88.4 0.08 83.9 85.8 74.8 83.9 74.8 80.0 85.8 88.4 83.9 80.0 74.8

74.8

19.4 83.2 85.2 87.1

78.7 78.7

74.5

74.2

72.9

76.8

84.5

83.2 83.9 84.5 84.5

80.0

75.5

72.3

70.3

63.9

42.6

81.9

76.8

72.9

65.2

45.6

42.6

900

ALAI

86.5

86.5

88.4

88.4

85.8

83.9 85.2

78.7

74.2 74.8

66.5

43.5

88

AI AI

85.2

79.4

7.68

89.7 89.7 89.7

88.4

87.7

85.8

80.0

74.8 74.8

66.5

43.2 43.2 43.5

66.5

56.5

43.2

800

83.9 85.8

83.9

88.4 6.06

88.4

88.4

90.3 6.26

80.3 92.9

85.8

85.8

80.0

80.0

80.0 83.9

6006 6.26 6006 65.6 88.4 85.8 6.06

92.9

34.5

34.2 95.5

95.5

95.5 4.66 4.66 2.46 8.96 95.5 8.96 34.2 96.8 92.9 95.5 96.8 2.46 91.6 91.0 92.3 89.0 92.9

90.3

88.4

85.8 85.8

0.08

0.08

74.8

43.2 43.2

200

80.0

0.08

74.8

66.5

8 8

87.7

90.3

90.3 80.06

89.7 89.7

89.7

TOTAL NUMBER OF OBSERVATIONS

8.96

92. 92.

90.3

89.7

88.4

87.7

85.8

80.0

74.8

85.8

80.0

74.8

66.5

43.2

43.2

80

0

155

DIRNAVOCEANMET

SMOS

MANAL MEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINDIS

CEILING VERSUS VISIBILITY

۸۱

2 5/16

2 ٨١

* AI

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VI 7.

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۸I

> 21/2

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Al

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٨I

AI

(FEET)

32.9

32.9

32.9 32.9 32.9 34.8

32.9

32.9

32.9

32.9 32.9

32.9 32.9

32.9

31.6 31.6

31.6

32.9

27.1 35.9

NO CEILING

≥ 20000

32.9

32.9

32.9

32.9 5.9

32.9

32.9 32.9

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

YEARS

DEC

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, TLLINUIS

14855

PERCENTAGE FREQUENCY OF OCCURRENCE

YEARS

(FROM HOURLY OBSERVATIONS)

90.8

58.1 49.0 51.6 ۸۱ 36.1 0.68 46.5 0.65 51.6 55.5 72.3 72.9 1.68 63.9 88.4 016 37.4 58.1 76.8 94.5 41.3 45.2 49.7 80.7 40.7 0.68 76.8 88.4 91.0 46.5 0.65 51.6 55.5 63.9 72.3 89.7 2.46 41.3 63.8 49.7 58.1 80.7 96.8 36.1 40.7 2 5/16 0.68 36.1 46.5 0.65 88.4 91.0 37.4 55.5 45.2 94.5 41.3 49.7 51.6 58.1 63.6 72.3 76.8 80.7 1.68 1.86 IA 72.9 80.7 49.7 58.1 88.4 89.0 55.5 8.06 36.1 45.2 46.5 63.9 72.3 76.8 95.5 35.5 35.5 37.4 40.7 43.9 0.65 51.6 19.7 6.26 8.96 8.96 41.3 88.4 0.68 51.6 58.1 76.8 89.0 1.68 94.8 36.1 41.3 72.3 72.9 45.2 0.65 55.5 63.9 80.7 37.4 43.9 49.7 46.5 63.9 76.8 0.65 72.3 72.9 88.4 88.4 89.0 31.6 36.1 40.7 46.5 51.6 55.5 88.4 89.0 92.3 58.1 35.5 45.2 49.7 80.7 69.7 94.2 41.3 8.46 ٨١ VISIBILITY (STATUTE MILES) 58.1 40.7 45.2 0.64 55.5 0.68 91.6 72.3 41.3 72.9 87.7 88.4 46.5 46.5 49.7 51.6 51.6 76.8 80.7 ۸۱ 63.9 72.9 40.7 49.7 58.1 91.6 45.2 0.64 72.3 87.7 4.88 76.8 0.68 55.5 41.3 91.0 91.0 36.1 80.7 9.16 87.1 88.4 55.5 63.9 72.3 72.9 89.0 36.1 41.3 45.2 40.3 0.55 51.6 30.7 43.9 58.1 87.7 4.88 49.7 ۲ ۱۸ 63.2 55.5 35.5 36.1 46.5 71.6 80.0 88.4 89.0 45.2 58.1 72.3 0.65 86.5 0.68 49.7 ۸۱ 35.5 71.6 72.3 80.0 85.2 85.8 40.7 45.2 55.5 58.1 63.5 76.1 86.5 86.5 36.1 46.5 0.65 81.9 85.8 51.6 49.7 ٨I 48.4 70.3 45.8 56.8 61.9 0.64 71.0 77.4 81.9 37.4 45.2 74.2 81.9 81.9 41.3 43.9 54.8 81.9 36.1 51.0 81.9 81.9 0.65 4.64 36.1 51.0 0.69 1.69 48.4 56.1 45.2 45.8 54.5 79.4 34.8 79.4 40.1 71.6 4.64 4.64 37.4 6.64 79.4 35.5 41.3 ٨١ 72.9 33.6 45.2 50.3 63.9 72.9 72.9 38.7 39.4 45.6 47.1 52.3 56.1 63.2 65.8 0.69 72.9 72.9 72.9 34.5 35.5 6.14 45.2 72.9 33.6 43.2 11 27.1 31.0 32.9 34.2 36.8 45.8 34.8 30.3 33.6 45.8 26.5 32.9 45.8 6.95 47.1 38.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 > 20000 16000 12000 1200 80 (FEET) 900 000 2000 4500 3500 2000 1500 88 88 88 88 ALAI ALAI ALAI AI AI ALAI AI AI

TOTAL NUMBER OF OBSERVATIONS

155

8800

SMOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINUIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 INDUM DEC

1

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9	\$ 1	4	8 1	2 2%	2 4	71 7	¥1 ¥	-	% Al	*	% Al	2 5/16	VI 34	N AI
NO CEILING		34.	. 4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000		33			40.0	40.0	ċ	0		40.0	0.04	0.04	0.04	40.0	40.0	
7 18000		33		40.0	40.0	40.0	0.04	40.0		0		0.04	0.04		•	40.0
2 16000	-	38	6	•	0	0	40.0	0.04	0.04		40.0		40.0	0	40.0	0.0%
		60	-	40.0	40.0	0.04	0.04	0.04		c	40.0	0.04	40.0		40.0	0.04
≥ 12000		38.	6	•	0	0	40.0	0.04	0.04				40.0	40.0	40.0	40.0
-		42.	3	44.5	44.5		44.5	4		44.5	44.5	4	44.5		44.5	44.5
0006	32.9	42.6	43.9	44.5	44.5	44.5	44.5	44.5		1	44.5	44.5	44.5		44.5	44.5
		45.	.0		47.1		47.1	-	47.1	7.	•	-			47.1	47.1
7000		47.		49.7	1.67	49.7	49.7	49.7	49.7		49.7		49.7	49.7	49.7	49.7
		64	-	51.6	51.6	51.6	51.6	-;		-				-	51.6	51.6
2000		49.	-	51.6	•	-	51.6	51.6		-		-	51.6	-	51.6	51.6
		50.		52.9	3	2		52.9	2	3	3	2.		2	2.	52.9
4000	-	51.	10	54.5	54.5	*	54.5							54.2	4	54.2
		52.	*				5	5		5		5		5	5	
3000	-	55	57.4	0.09	0.09	0.09	0.09	0.09	0.09	0	0.09	0.09		0.09	0.09	60.0
2 2500		58	•					63.2			100				3	63.2
> 2000		64.	7	71.0		-	71.6	:		-	-	-	-	-	-	71.6
N 1800	-	65.	6			3	2.	2.	2	2		2.		2.	2.	
	-	70.	-	0	6	80.0		0.08	0	0	0		0	0	0	
> 1200		71.	-	81.9	. 4	3	3	2		50			5	5	S	
1000	- 1	74.	0	85.8	6	0	89.7	6	6	6	0		6	0	6	
8 AI	-	74.	80.7	87.1		91.0	91.0	-		-			-	-	91.0	
08 AI	-	74.		87.1	-	-	92.3	92.3	92.3	2		65.3	5.	2		
		74.	1000	87.1	-	91.6	2	65.3	6.76				2			
009 1	-	74.		87.1	91.0	-	•	2	6.26						93.6	93.6
200	-	74.	80.7	87.1	-	6.26	8 . 76		95.5	.0	1.96			0		96.1
۲ 400	45.6	74.2	80.7	87.1	91.6		94.8		95.8	1.96	8.96		96.8	96.8	96.8	96.8
		. 4	80.7	87.1	91.6	2	8.76	1.96			1.86	98.1		00		98.1
1 200°	45.6	•	80.7	87.1	91.6	65.6	8.46		1.96		1.86		4.66	-	4.66	4.66
VI 85		74.2	80.7	87.1	91.6	95.9	8.46	1.96	96.1	98.1	4.66	15.65	00.00	0000	00	
	45.6	4	80.7	87.1	91.6	65.6	94.8	1.96	1.96	98.1	\$. 66	14.66		0	0000	0000

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

GLENVIEW, ILLINGIS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

21

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۰ ۸۱	87	AI AI	8 1	> 2%	7 1	VI 7/2	VI VI	-	% AI	*	% Al	≥ 5/16	VI 3	٥
NO CEILING	0	34.	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	0	37.	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	0	37.		38.1			38.1	38.1	38.1	38.1			38.1		38.1	38.1
00091 3	0	37.	38.1	38.1	38.1		38.1	38.1	38.1	38.1	38.1		38.1		38.1	38.1
	30.3	37.	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2 12000	32.3	0.04	40.7	40.7	40.7	40.7	1.004	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
	35.5	43	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	4.	44.5	44.5	44.5	44.5
0006	35.5	43	44.5	44.5		44.5	•	3	44.5	1300	44.5	44.5	44.5	44.5	44.5	44.5
1	37.4	46	7.		7.	2	7.	47.7	7.	7	7	1.	47.7		47.7	47.7
1 1 1000	38.1		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1	38.7	60	-	51.0	-		•	-	-:	-	-:	•	-	-	51.0	-
2000	39.4	5	52.3	52.3	52.3	~	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
	40.0	51.	2	52.9	52.9	52.9	•	2.					52.9	2	52.9	52.9
141	40.0	50		54.8		54.8	•	54.8	54.8		54.8			4.	54.8	
	40.7	55.		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
3000	41.9	58	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0	0.09		0.09		0.09	60.0
	45.2	60	. 4	64.5	*						•		64.5	. 4	64.5	64.5
7 2000	0.64	71.	2	72.3	2	2	72.3		72.3	72.3		5.		72.3		
1800	0.64	72.3	*	74.2			74.2	,	74.2	•	. 5	74.2		74.2	74.2	74.2
> 1500	40.1	76.	6	79.4	0	0	80.7	80.7	80.7	0	o		80.7	0	80.7	
	49.7	78.		83.2		83.9	34.5	*		84.5	+			•	84.5	
2 1000	49.7	19.	-	83.9	85.8	5	86.5	86.5			86.5	86.5		•	86.5	86.5
	1.65	79.	81.9	83.9	86.5	86.5	87.1	87.7		-			87.7	-		
008 X	49.7	79.	61.0	84.5	87.1	87.1	87.7	88.4		89.0	89.0	89.0	99.0	6	0.68	89.0
	46.7	79.	81.9	84.5	87.1	87.7	89.7	-		91.6	-	-	91.6	91.6		91.6
009	49.7	80.	83.2	85.8	88.4	89.0	91.6		93.6		;	8.46	8. 46	94.8		94.8
	49.7		3.	86.5	0.69	69.7	65.6	8.46		96.8			8.96	96.8	8.96	96.8
V 400	49.7	80.0	83.9	87.1	89.7	91.0	3.56	1.96	96.8	98.1	98.1	98.1	1.86	98.1	98.1	98.1
			83.9	87.1	89.7		8.46	. 9	97.4				98.7	98.7	98.7	98.7
> 200			3	87.1	89.7	0.16	94.8	8.96			1.86		98.7	7.86	4.66	4.66
91	49.7		83.9	87.1		91.0	94.8	4.76	98.1	4.66	4.66		4.66	4.66	0000	0000
٨١	0		3	87.1	89.7	91.0	8.46	4.16	98.1	4.66	4.66	4.66	4.66	4.66	00.001	00.00

TOTAL NUMBER OF OBSERVATIONS

155

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DEC

14855

1240

TOTAL NUMBER OF OBSERVATIONS

CEILING							NISI	VISIBILITY (STATUTE MILES)	TUTE MILE	(\$:						
(FEET)	2	۰ ۱۸	8	AI AI	E VI	> 2%	7	۲۱ ۲۲	71 71	- AI	% Al	*	Z AI	≥ 5/16	× Al	٥
O CEILING	24.8	ò	32.1		33.2	33.4	33.5	33.5	33.5		33.6	3.	33.6	33.6	3	33.6
≥ 20000	26.9	3	•	35.9	36.3	. 9	36.7	36.7	36.7		36.8	. 9	•			36.8
18000	26.9	33.7	5	35.9	36.3	36.5	36.7	36.7	36.7	36.8	36.8	36.8		. 9	36.8	36.8
2 16000	26.9	33.7	2	35.9		36.5	36.7	36.7		36.8	36.8	36.8	36.8		36.8	
14000	27.0	33.9		36.1	36.5	36.7	36.9	36.9	36.9		36.9	36.9	36.9	36.9	36.9	36.9
12000	27.7	34.9	36.4	37.2	37.6	37.8	36.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	
10000	30.0	38.5	39.8		41.5	41.7	6.14	41.9	41.9	41.9	41.9	41.9		41.9	6.14	41.9
0006	30.1	38.3		6.04	41.5	41.00	41.9	41.9	41.9	45.0	45.0	45.0		45.0	45.0	45.0
0008	31.9	41.3		0.44	44.7	6.44	45.1	45.1	45.1		45.2	45.2		45.2	45.2	45.2
7000	32.2	45.4	44.2	45.2	40.1	46.3	46.5	46.5	46.5	46.5	40.5	46.5	40.5		46.5	46.5
0009	32.5	45.9	*	45.0	40.8		47.2		47.2	47.3		•	41.3	47.3	•	47.3
2000	33.2	44.3	46.5	47.5	48.4	48.6	48.8	48.8	8.8		48.9	8	8		6.84	48.9
4500	33.6	45.3	47.7	48.8	49.8	50.0	0	0	50.2	0	50.2	50.5	50.2	50.2	0	50.2
4000	34.4	46.7		50.5	51.5			51.9	51.9	51.9		-	-	-		51.9
3500	36.0	4.64		53.6		54.8	54.9	54.0	54.9		55.1	55.1	55.1	55.1		55.1
3000	37.2	52.3	55.5	56.8	58.0	58.2	58.4		58.4		58.6	58.6	8		•	58.6
2500	39.4	56.1	6	61.2	3.	62.8	10	63.1	63.1	3		63.2	3	3	~	63.2
2000	42.7	65.0	62.6		69.7	70.2		4.07	10.0	70.7		0	70.7	70.7	70.7	70.7
1800	45.9	65.8	66.8	69.3		71.2		71.6			-		-	-	-	71.8
1500	43.5	65.8	70.2	73.2			.0	16.6	76.6	0	9	76.8	0	9	;	76.8
1200	43.6	4.19	72.2		78.4	1.67	0	80.1	80.1	80.2	80.3		80.3		80.3	80.3
1000	43.8	69.5		48.9	82.1		84.3	9.40	84.7	85.1	35.5	85.2	5		5	85.2
	0.44	8.69	75.6	80.1	83.7	85.0	86.2	86.6	86.7		87.3	87.3				87.3
8	44.1	70.1	76.2	81.0	84.8	86.1	87.5	87.9	88.0		88.7	88.8	3		8.8	88.8
	1.44	70.1	76.4	81.1	95.2	86.8	8	89.2	89.3	89.9	90.5	6006		4006	9006	4006
000	44.1	70.2	76.7	81.7	86.2	88.1	9006	91.5	91.7	92.7	93.1	3.5	93.4	93.4	93.4	93.4
	44.1	70.2	0	82.0	-	0.68	91.9	93.1	93.3	3	92.6	45.7	0	0.96	1096	1.96
400	44.1	70.5	4.9	82.2	87.5	89.7	92.7	0.46	2.46	6.56	96.8		97.3	61.3	97.3	97.3
	44.1	70.2	4.91	82.3	87.6	0	93.0	4.46	4.7		97.5				4.86	4.86
700	44.1		16.9	82.3	87.6	89.8	93.1	64.5	8.46	6.96	0.86	1.86	0.66	0.66	4.66	4.66
81	44.1	70.2	6.92	82.3	87.6	80.8	93.1	4.7	6.46	97.1	98.2		66.3	4.66	8.66	6.66
	44.1		6.94	82.3	87.6	80.8	93.1	4. 7	6.96	97.1	98.2	68.3	66.3	4.66	99.8	00.00

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14955

GLENVIEW, ILLINDIS

200

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٥	48.7	53.7			54.1			59.9	9.49	2095	8.99	0.69	10.6	72.7	74.8	78.4	31.3	35.0	85.8	88.9	90.06	95.8	93.7	34.5	95.4	1.96	37.1	97.9	98.6	66.3	1006	0.00
	7		3.7	89	3.8	7.	4.		6.	9.4	6.2	8	0.	. 5.0	9.	œ	4.	1.3	0.	1.	8	9.	.7	. 7	5	5.3	6.1	7.1	8	9.	. 1	9.5	. 51
	5/16 ≥		5	5	5	1 5		50	9 5	9 9	0	0	9	-	-	1		3 8	00	7 8	88 88	0	7	0				_	8 9	6	6 6	0	5 9
	۷I	7 48	'n				4 55	5	59	9 9	99	9	0	2 70	1	-	3 78	3 81	00	0	8 88	0		6	\$ 84	5	3	0	7 97	0	8 98	66 0	0
	Z Al	48.		•	33.6		3	59.	6	*	66.	. 9			2.		8	-	•		8		3.			.56	0			8	00	66	6
	≱ Al	48.6	•		3	54.1		6		64.5	. 9	9			72.6		78.3	81.2	*	89.7		5.06	3.	93.5		95.2	22	6.96		1.86	8	98.5	8
	% Al	48.6	3.	53.7	53.7	54.1	55.4	6	8.65	4.	1.99	.9	*		2.	4	•	81.2	*	85.6	88.7	90.5	3	93.5			3	6.96	97.5	1.86	4.86	98.4	00
(9	- AI	48.6	•	53.7	3	24.0	55.3		8.65	64.5	1.99	466.7	8.89	4.07			78.2	-	84.8	5		4.06	95.4		2.56		2.56	9.96	3.16	9.16	:	6.46	
VISIBILITY (STATUTE MILES)	VI 7.	8	53.5	•				59.3		4.	6.59	9.9	8.7	70.3		*	78.1	-	4.6	5.4	8.4	2.	2.2	•	6	4.5	5.2	6.56		4.96	. 9	8.96	0
ILITY (STA	VI %		s.	40	53.6	0.	5.5	6.3	6.1	(7)		•			103	5	0.87	80.9	4.6	85.3	4.		0		~	*	0	8	2.96	.3	9.		0.
VISIB	7 Al	48.4	53.4		53.5	23	. 1	-		4.2	a	4.9	6.8	0.1	2.2	6.3	77.8	2.0	4 • 3	5 . 1	0.8	2.6		2.5	3.2	3.8	49	6.4	5.5	3.4	95.5	5	95.5
	2 2%	8.2	53.1			53.5		58.8		6.89	4.	0.99	68.1		71.7	3	77.3	0.1	83.6	en.	87.1	88.7	6.06	61.3	1.9	2.4	00	3.2	49.66	3.5	93.6	3.6	93.6
	۳ ۸۱	4.6			2.8	7.	4.	4.	4.7	63.3	8	.5	67.5	0.6	71.1	3	76.5	.2		4.	86.0	-			4.0	-	.2		61.7	8.16	8.16	91.6	8.16
	→	7.2	51.9	52.0	2.0	•	9.	_	7.8	.3		547	·	7.03		1.7	6.9	27.6	2.0	1.5	3.0	•	6.7	7.2	-	6.		8.3	4.88	59.68	98.4	4.8	88.4
	۷۶ ۸۱	6.2	8.0	6.0	6.0	1.2		2.9	.5	6.0	2.3	2.8	4.8	2	8.0	0.0	3.0	5.5	8.5	9.1	1.4	2.5	9.	0.4	4.3	4.5	4.7	8.4	6.4	6.4	6.4	6.4	64.9
	۰ ۸۱	9.	49.1	1.65	7	4	9.09	4.1	4.5	58.6	00		7	_	-	6.	-		in	2	0	0	78.7	C	-	79.3		19.4	4	79.4	4.61	4.	19.4
	9	37.0 4		4	4	9	5.	0	2.		6	48.2 6	*	2.	51.3	4.	~	5	0	~		1	5	s.	8.5	8	58.6	8.6	8.6	8.6	8.6	9.8	8.6
CEILING	(EET)	0	≥ 20000 ₹		1,000		12000	-	0006	-	2000		2000		4000	-	3000		2000	1	1500		1000		008	-	9	-	904		200	8	-
CE	<u>.</u>	9	٨١	٨١	Ā		Ā	1	۸۱	1	۸۱		۸۱		۱۸۱	1	1 11	3	۸۱	1	AI	1	1 / 1	Al	۸۱	٨	IAI	Al	AI	٨١	AI	Al	^1

TOTAL NUMBER OF OBSERVATIONS

14607

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MONTH

14355 STATION

STATION NAME GLENVIEW, ILLINDIS

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	R OBS.	155	155	155	155	155	155	155	155		
MEAN	SKY COVER	6.3	6.2	6.1	9.0	6.9	6.9	6.9	6.5		A
	10	€.58	52.9	0.65	51.0	49.7	48.4	45.8	\$2.9		
	6	1,3	•	3.2	1.9	5.8	6.5	2.6	1.9		
	æ	3.9	3.9	1.9	4.1	8.4	4.8	7.7	5.2		
SKY COVER	7	1.9	1.9	1.9	1.9	3.9	3.2	5.6	3.2		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	3.9	1.9	5.2	3.2	5.6	3.2	3.2	1.9		
OF TENTHS	5	1.9	9.	9.	3.2	1.9	3.2	1.3	1.3		
FREQUENC	4	1.3	5.6	3.5	1.9	3.2	1.9	5.5	1.9		
PERCENTAGE	е	1.9	3.5	5.6	5.6	3.2	9.2	5.8	1.9		
	2	9.	1.9	9.0	1.9	1.3	1:9	3.2	1.9		
	-	5.6	1.3	5.6	3.2	1:3	3.2	9.	5.6		
	0	28.4	29.0	25.8	19.4	18.7	17.4	21.9	25.2		
HOURS	(L.S.T.)	00	60	90	60	12	1.5	80	21		
HINOM	E NOW	JAN			13						

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0.0

SKY COVER

14855 STATION

GLENVIEW, ILLINDIS

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	SKY COVER OBS.	6.3 141	6.1 141		141				7.3 141 7.6 141 6.4 141 6.4 141	
	10	50.4	47.5	48.9		51.0	56.0	51.8 56.0 46.1	\$6.0 46.1 48.9	48:9 49:6
	6	1.4	1.4	2.1	7 8		6.6	6 6	6.6	6 6 6 6 6
	80	5.7	5.0	3.5	7.8		3.5	3.5	3.5	3.5
SKY COVER	7	2.8	8.2	3.5	5.0		2.8	2.8	3.5	2 2 2 2
S OF TOTAL	9	2.8	2.8	.7	1.4		1.4	4.3	4 . 3 . 3	4.3
Y OF TENTH.	2	.,	5.5	2.8			2.1	2.1	2.1	2.1 2.8 2.8
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	7.	1.4	3.0	2.1		2.8	2.8	2.8	2.8
PERCENTAG	3	5.7	4.9	4.9	2.8		2.8	2.8	2.1	2.1 2.8
	2	3.5	1.4	4.3	4.9		1.4	4:1	4.3	2.1
	-	1.4		3.5	2.1		1.4	1.4		
	0	24.8	27.7	19.1	12.1		15.6	15.6	15.6	14.2 20.6 31.2
HOURS	(L.S.T.)	00	03	90	60		12	12	15 15	15 15 18
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GLENVIEW, ILLINDIS

14855 STATION

STATION NAME

73-77

PERIOD

SKY COVER

MONTH MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	158		1240
MEAN	SKY COVER	6.5	6.9	8.9	7.1	7.2	7.7	7.5	6.5		7.0
	10	84.8	53.5	49.0	91:0	55.5	55.5	82.9	52.3		53.1
	6	3.2	2.6	5.8	7.7	1.3	3.2	7.7	3.2		4.3
	œ	5.6	3.9	6.5	5.2	8.4	11.6	7.7	3.2		6.1
KY COVER	7	3.2	3.2	3.9	33.50	1.9	5.8	3.9	4.3		0.4
OF TOTAL S	9		1.9	1.3	1.9	5.6	3.9	3.2	•		1.9
OF TENTHS	5	1.3	1.9	3.2	1.9	5.8	9.	3.6	9.		2.2
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	3.9	1.3	3.2	3.9	· · ·	2.6	3.5	N .		3.5
PERCENTAGE	8	5.6	5.6	3.9	1.3	1.3	1.9	4.5	4.5		2.8
	2	1.9	5.6	1.3	9.	5.6	1.9		3.5		1.8
	1	9.	9.	3.2	3.9	4.5	5.6	5.6	1.3		4.2
	0	25.8	25.8	18.7	16.8	11.6	10.3	11.6	23.2		18.0
HOURS	(L.S.T.)	00	03	90	60	12	1.5	1.8	2.1		113
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SKY COVER

14855 STATION

NO

GLENVIEW, ILLINOIS

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MEAN TOTAL	SKY COVER OBS.	5.6 150	5.6 150	6.1 150	6.2 150	7.0 150	7.0 150	
	10	0.0	38.7	40.7	45.0	43.3	46.7	43.3
	6	2.7		4.7	6.7	8.7	4.7	
	8	0.0	8.0	6.7	6.7	6.7	6.3	9.3
KY COVER	7	4.7	5.3	0.4	4.0	7.3	0.8	0.0
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	2.0	2.0	4.0	2.7	3.3	2.7	3.3
Y OF TENTHS	5	1.3	0.4	3.3	2.7	5.3	2.0	2.0
E FREQUENCY	4	2.7	2.7	4.7	3.3	4.3	1.3	1.3
PERCENTAG	8	6.7	2.7	0.0		3.3	5.3	5.3
	2	2.0	5.3	1.3	4:7	2.0	4:1	4:7
	-	2.7	1.3	3.3	0.9	3.3	4.7	4.7
	0	29.3	29.3	21.3	50.0	12.0	10.7	10.7
HOURS	(L.S.T.)	00	03	90	60	12	15	1.5
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MAY MONTH

SKY COVER

GLENVIEW, ILLINOIS 14855 STATION

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	6.4	5.3	5.7	1.0	6.7	8.0	6.7	5.6		0.9
	10	33.5	36.8	38.7	41.3	45.6	41.9	40.0	36.7		39.2
	6	9.	1.9	4.5	3.2	4.5	7.7	7.1	•		3.8
	8	6.5	7.7	9.6	9.0	0.6	11.6	7.6	5.8		7.9
KY COVER	7	4.3	2.6	3.2	4.5	5.8	5.6	7.7	4.5		4.4
OF TOTAL S	9	9.	1.9	3.9	3.2	3.2	5.8	1.9	5.6		5.9
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	5	1.3	6.1	4.5		3.9	3.2	3.2	4.5		2.8
FREQUENCY	4	5.2	5.6	3.9	3.9	3.5	5.6	1.9	2.5		3.6
PERCENTAGE	3	6.5	5.8	4.5	3.2	4.5	3.2	5.8	3.2		4.6
	2	3.2	4.5	5.6	5.8	7:7	5.8	3.8	7:7		5.4
	-	6.5	5.6	6.5	5.2	5.5	1.9	5.5	3.9		4.6
	0	31.6	31.6	53.9	9.02	10.3	13.5	11.6	23.5		8.02
HOURS	(L.S.T.)	00	60	90	60	12	15	85	2.1		
	MONIH	MAY									TOTALS

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SKY COVER

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

GLENVIEW, ILLINOIS

14655 STATION

	HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	10	SKY COVER	NO. OF OBS.
NOC	00	35.3	3,3	6.7	0.0	2.7	2.7	0.9	7.3	4.7	5.3	20.02	4.3	150
	03	34.0	4.0	6.3	6.7	4.0	2.0	2.7	8.0	0.9	.,	22.7	4.2	150
	90	18.0	2.0	0.0	7.3	9.0	5.3	4.7	4:7	6.3	0.9	28.7	5.7	150
	60	18.7	2.7	4:7	4.0	m		4.7	9.3	12.0	7.3	30.7	6.1	150
	12	13.3	2.7	2.7	7.3	4.7	2.0	0.9	11.3	0.8	6.6	32.7	6.5	150
	15	11.3	3.3	4.7	6.0	0.9	4.7	4.0	8.0	18.7	4.0	29.3	4.9	150
	18	18.0	6.7	4:7	0.9	0.4	2.0	2.7	7.3	11.3	0.8	29.3	30	150
	2.1	25.3	0.9	0.9	10.0	5.3	2.7	4.0	0.0	4.7	2.7	27.3	4.8	150
TOTALS	ALS	21.7	3.8	5.9	6.7	4.8	2.8	4.4	7.7	6.3	5.4	27.6	5.5	1200

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SKY COVER

GLENVIEW, ILLINUIS 14855 STATION

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	NO. OF	155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	3.4	3.5	5.0	4.7	5.6	5.4	5.1	4.2		4.6
	01	15.5	16.1	56.5	22.6	23.9	23.9	22.0	18.7		21.5
	6	1.9	3.2	4.5	5.8	6.5	5.6	7.1	3.5		4.4
	80	5.8	5.8	8.4	7.7	13.5	10.3	7.7	4.		6.5
SKY COVER	7	3.9	3.2	3.2	7.7	5.2	6.5	5.2	4.5		6.4
OF TOTAL	9	5.2	3.5	3.2	4.5	3.9	6.9	3.9	3.6		4:+
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	5	2.6	2.6	5.5	3.2	4.	7.1	1.3	3.9		4.3
E FREQUENC	4	3.0	9.	2.5	1.9	4.5	6.5	0.6	4.5		8.4
PERCENTAG	9	3.9	5.5	5.8	5.5	6.9	9.0	10.3	0.6		6.9
	2	6.5	6.8	7.1	4.5	4.5	7:1	7.7	7.1		6.4
	-	5.6	3.5	4.3	5.2	6.9	5.5	9.0	7.1		5.4
	0	\$6.5	4.8.4	5.92	31.6	16.8	15.5	16.1	31.0		29.1
HOURS	(L.S.T.)	00	63	90	60	12	15	18	21		NIS
	MONIH	Jul									TOTALS

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SKY COVER

GLENVIEW, ILLINDIS

14855 STATION

STATION NAME

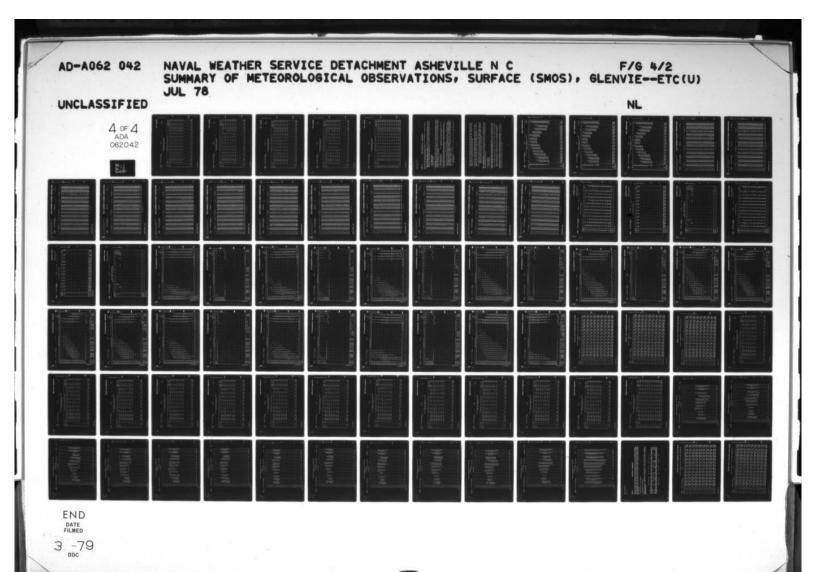
73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	OVER OBS.	2 155	2 155	5 155	6 155	5 155	5 155	2 155	5 155	
MEAN	SKY COVER	4.2	4.2	5.5	5.6	6.5	6.5	6.2	4.5	
	10	22.6	20.02	21.3	26.5	31.0	32.3	27:1	22.6	
	6	1.9	3.2	7.1	5.8	7.1	7.7	9.4	1.3	
	8	7.1	0.6	12.9	10.3	13.5	11.6	15.5	4.7	
SKY COVER	7	5.2	5.2	0.6	6.3	4.8	. co	7.1	3.9	
OF TOTAL	9	1.3	2.6	1.9	50	6.5	8.8	3.9	3.2	
Y OF TENTHS	5	3.9	3.2	7.1	2.6	6.3	5.2	5.2	5.8	
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	5.8	5.5	3.2	3.9	9.0	6.9	3.2	7.1	
PERCENTAG	3	6.9	4.5	7.1	7.1	5.0	7.1	7.7	6.5	
	2	5.8	7.1	7.7	11.0	5.2	3.5	3.9	6.0	
	-	3.9	5.5	6.3	4.5	5.6	3.2	4.5	3.5	
	0	36.1	34.8	16.1	16.1	11.6	4.7	13.5	30.3	
HOURS	(L.S.T.)	00	03	90	60	12	15	2	21	
	MONIH	DOG								

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SKY COVER

GLENVIEW, ILLINDIS 14855 STATION

STATION NAME

73-77

SE P

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	01	SKY COVER	OBS.
SEP	00	38.7	1.3	4.0	4.0	4.7	2.0	6.3	2.0	7.3	1.3	28.0	4.5	150
	03	39.3	4.0	2:7	3.3	2.0	2.0	3.3	4.7	4.7	3.3	30.7	4.6	150
	90	22.0	6.7	0.9	7.3	0.4	.7	2.7	6.7	5.3	4.0	34.7	5.5	150
	60	16.7	0.0	6.7	6.7	5.3	2.0	2.7	5.3	6.0	5.7	34:0	8.9	150
	12	14.0	4:0	2.0	8.7	4.7	2.7	8.0	6.6	7.3	8.7	30.7	6.2	150
	15	15.3	5,3	3.3	5.3	6.3	1.3	2.7	7.3	7.3	6.9	36.0	6.3	150
	18	18.7	0.9	5.3	0.9	0.4	2.7	3.3	6.7	6.7	10.0	30.7	5.8	150
	21	34.7	2.7	4:7	6.7	2.0	2.0	5.3	3.3	4.7	3,3	30.7	4.8	150
TOT	TOTALS	24.9	4.5	4.3	0.0	4.5	1.9	4	5.7	5.9	1.0	31.9	5.5	1200

MONTH 100

SKY COVER

STATION NAME GLENVIEW, ILLINDIS 14855

STATION

CO

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	01	SKY COVER	NO. OF OBS.
100	00	43.9	1.9	3.2	5.2	1.3	1.3	1.9	3.9	4.5	2.6	30.3	4.4	155
	60	40.0	4.5	3.9	3.9	3.5	3.9	3.9	3.9	3.9		28.4	4.5	155
	90	27.1	5.2	6.5	7.1	5.6	1.3	1.9	5.2	5.8	0.6	28.4	5.2	155
	60	22.6	3.9	4.5	7.7	3.9	1.9	6.5	3.9	8.4	5.8	31.0	5.6	155
	12	20.0	3.9	3.9	5.8	5.8	5.5	5.6	7.1	6.7	6.9	29.7	5.8	155
	15	17.4	3.9	7.1	3.9	0.6	1.9	3.9	6.5	6.5	1.9	38.1	5.9	155
	18	25.8	5.6	4.5	5.5	5.8	9.	5.6	4.5	10.3	3.9	34.2	5.6	155
	12	39.5	4.5	3.9	3.5	5.0	5.6	1.9	3.2	5.5	3.2	31.0	4:7	155
TOT	TOTALS	29.1	3.8	4:4	5.3	4.7	2.3	3.2	8.4		1.	31.4	5.2	1240

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SKY COVER

14855 STATION

GLENVIEW, ILCINDIS

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0		2	3	4	5	9	7	8	6	02	SKY COVER	OBS.
NOV	00	26.7	3.3	2.7	3.3	2.7	.,	2.0	2.0	0.4	3.3	49.3	1.9	150
	60	27.3	0.9	2.0	4.0	2.0	1.3	2.0	2.0	2.7	2.7	48.0	5.9	150
	90	22.0	4.7	4:7	3.3	2.0	3.3	4.0	2.0	0.9	5.0	46.0	6.1	150
	60	14.0	4.0	5,3	0.9	3.3	2.0	3.3	2.7	4.0	4.0	51.3	6.8	150
	12	14.0	4.0	.3	4.7	2.0	7.3	3.3	4.7	7.3	3.3	46.0	6.7	150
	15	14.0	1.3	2.7	2.7	3.3	3.3	2.7	0.8	7.3	6.7	48.0	7.2	150
	81	18.0	4.7	2.7	3.3	3.3	1.3	3.3	2.7	6.7	0.0	0.84	6.7	150
	12	22.0	2.0	2.0	2.0	3.3	4.0	.7	2.0	13.3	1.3	47.3	6.6	150
Į	TOTALS	19.8	3.8	3.2	3.7	2.7	2.9	2.7	3.3	4.9	3.7	0.84	6.9	1200

REGISTER COMPANY

DEC

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SKY COVER

GLENVIEW, ILLINOIS

14855 STATION

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.9 3.2 2.6 .6 .6 .6 4.5 2.6 1.3 58.1 6.7 .6 2.6 2.6 1.9 3.2 54.8 6.7 1.9 3.2 4.5 1.9 1.9 3.2 54.8 6.7 1.9 3.2 3.9 1.9 3.2 54.8 6.7 1.9 3.2 3.9 1.9 3.2 54.8 6.7 1.9 1.9 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6		HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
03 23.9	MONTH	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	01	SKY COVER	NO. OF
05 23.9 .6 2.6 1.9 2.6 3.2 1.3 3.9 1.9 3.2 54.8 05 20.6 1.9 3.2 4.5 1.9 1.9 3.9 2.6 2.6 2.6 56.8 09 9.7 4.5 3.2 3.9 1.3 1.3 1.3 3.9 2.6 2.6 55.8 12 5.2 3.9 2.6 4.5 1.3 1.9 3.2 3.9 57.4 13.5 2.6 4.5 1.3 1.9 3.2 3.9 2.0 57.4 13.5 2.6 4.5 5.5 3.9 2.6 .6 1.9 3.9 2.6 55.5 12 23.9 1.3 1.3 5.8 1.3 1.9 2.6 3.9 2.6 55.5 1.6 0.0 2.4 2.8 4.0 1.8 1.9 1.9 1.8 4.1 5.7 3.2 56.5	DEC	00	24.5	1.9	3.2	5.6	9.		••	6.4	5.6	1.3	58.1	6.7	155
05 20.6 1.9 3.2 4.5 1.9 1.9 3.9 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 3.9 2.6 3.9 3		60	23.9	9.	5.6	1.9	5.0	3.2	1.3	3.9	1.9	3.2	84.8	6.7	155
09 9.7 4.5 3.2 3.9 1.3 1.3 1.3 1.3 3.2 10.3 3.9 57.4 12 6.5 2.6 1.9 2.6 2.6 1.3 10.3 10.3 4.5 55.5 15 5.2 3.9 2.6 4.5 1.3 1.9 2.6 3.9 2.6 56.1 18 13.5 2.6 4.5 6.5 3.9 2.6 57.4 21 23.9 1.3 1.3 5.8 1.3 1.9 2.6 3.9 2.6 55.5 21 23.9 2.6 3.9 2.6 3.9 2.6 55.5 22 2.6 2.6 3.9 2.6 55.5 32 4.1 5.7 3.2 56.5		90	50.6	1.9	3.5	4.5	1.9	1.9	3.9	5.6	5.6		56.8	6.7	155
12 6.5 2.6 1.9 2.6 2.6 1.3 10.3 10.3 4.5 55.5 15 5.2 3.9 2.6 4.5 1.3 1.9 3.9 2.0 3.9 2.0 57.4 21 23.9 1.3 1.3 5.8 1.3 1.9 2.6 3.9 2.0 57.4 21 23.9 1.3 1.3 1.3 1.3 1.9 2.6 3.9 2.0 55.5 21 23.9 2.6 3.9 2.6 3.9 2.6 55.5		60	9.7		3.5	3.9	1.3	1.3	1.3	3.8	10.3	3.9	57.4	7.6	155
15 5.2 3.9 2.6 4.5 1.3 1.9 3.2 3.9 2.7 7.7 56.1 18 13.5 2.6 4.5 6.5 3.9 2.6 .6 1.9 3.9 2.6 57.4 21 23.9 1.3 1.3 5.8 1.3 1.9 2.6 3.9 2.6 55.5 16.0 2.4 2.8 4.0 1.8 4.1 5.7 3.2 56.5		12	6.5		1.9	1.9	5.6	5.6	1.3	10.3	10.3	4.5	55.5	7.9	155
18 13.5 2.6 4.5 6.5 3.9 2.6 1.9 3.9 2.6 57.4 21 23.9 1.3 1.3 1.9 2.6 3.9 2.6 55.5 16.0 2.4 2.8 4.0 1.8 4.1 5.7 3.2 56.5		15	5.2		2.6	4.5	1.3	1.9	3.2	3.9	7.6	7.7	56.1	7.9	155
21 23.9 1.3 1.3 5.8 1.3 1.9 2.6 3.9 2.6 55.5 16.0 2.4 2.8 4.0 1.8 1.9 1.8 4.1 5.7 3.2 56.5		13	13.5	9.2	4.5	6.5	9.6	2.6	•	1.9	3.9	5.6	\$7.4	7.1	155
16.0 2.4 2.8 4.0 1.8 4.1 5.7 3.2 56.5		21	53.9		1.3	5.8		1.3	1.9	5.6	3.9	3.6	55.5	6.7	155
16.0 2.4 2.8 4.0 1.8 1.9 1.8 4.1 5.7 3.2 56.5															
16.0 2.4 2.8 4.0 1.8 1.9 1.8 4.1 5.7 3.2 56.5															
	101	ALS	16.0	2.4	200	0.4	20.1	6.1	1.8	1.,	5.7	3.2	56.5	7.2	1240

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MONTH ALL

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GLENVIEW, ILLINDIS 14855

STATION

NO

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	-	2	3	4	5	9	7	8	٥	01	SKY COVER	NO. OF
NAU	ALL	23.2	2.2	2.1	3.0	2.7	1.8	3.1	2.6	1.9	3.0	50.3	6.5	1240
2		20.7	1.8	3.2	4.3	2.6	1.9	2.0	3.3	0.9	4.3	6.67	9.9	1128
MAR		18.0	2.4	1.8	2.8	3.2	2.2	1.9	4.0	6.1	4.3	53.1	7.0	1240
APR		20.7	3.4	3.3	4.5	3.4	2.5	2.9	5.8	6.9	4.5	45.0	6.2	1200
× A×		20.8	4.6	5.4	4.0	3.6	2.8	5.9	4.4	7.9	3.8	39.5	0.9	1240
200		21.7	3.8	6.6	6.7	8.4	2.8	4.4	7.7	9.3	4.6	27.6	5.5	1200
700		1.62	5.4	4.9	6.9	9.4	4.3	4.1	4.9	8.5	4:4	21.5	4.0	1240
AUG		21.0	4.2	9.9	6.5	6.4	6.4	3.6	4.9	11.2	5.3	25.4	5.4	1240
SEP		54.9	4.5	4.3	9.0	7.4	1.9		5.7	6.2	6.1	31.9	5.5	1200
100		1.62	3.8	4.7	5.3	4.7	2.3	3.5	a. 4	6.8	4.1	31.4	9.2	1240
NON		19.8	3.8	3.5	3.7	2.7	5.9	2.7	3.3	4.9	3.7	48.0	6.5	1200
DEC		16.0	5.4	2.8	4.0	1.8	1.9	1.6	4.1	5.7	3.2	56.5	7.2	1240
5	TOTALS	22.1	3.5	4.1	6.4	3.6	2.7	3.1	4.8	7.3	4.3	39.7	0.9	14608

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PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- . Daily maximum temperature
- . Daily minimum temperature
 - c. Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: a
- . Extreme maximum temperature . Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and The following information is provided: all years combined. 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread norizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Potal observations for these four items is also provided in two lines at end of each tabulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.
- A percentage frequency in this table of ".O" represents one or more occurrences amounting to less than .05 percent.

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means $(\sum X)$, and standard deviations (σX) . The number of observations used in the computations for each element is also shown. ڼ
- 4 dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. :

Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following: ÷
- Dry-bulb temperature Wet-bulb temperature
- Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables. 3
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. þ,
- Percentage frequency of occurrence of dry-bulb temperature versus wind direction This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm). 9

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DAILY TEMPERATURES

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GLENVIEW, ILLINOIS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

21.505 99.2 100.0 ANNUAL 99.6 15.4 70.5 91.7 98.5 29.9 34.0 43.8 57.2 67.8 78.2 82.5 81.2 73.5 62.9 46.7 34.5 12.11510.75812.41312.53411.95310.108 7.408 7.594 9.25010.66711.68010.982 992 895 977 960 1023 992 992 940 992 957 1022 3.2 DEC 9444140641W 99.6 0000 NOV. 100.0 50 94.0 SEP 3 99971599 100.0 AUG. 100.0 ĭ Ŋ 100.0 MAY APR MAR FEB 99.4 AN 040 95 TOTAL OBS TEMP (OF) MEAN S. D.

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NAVWEASERVCOM

GLENVIEW ILLINGIS

· N

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

DAILY TEMPERATURES

9 ANNUAL

OCT.

SEP

AUG.

N

MAY

APR

MAR

FEB

JAN

TEMP (PF)

99990T

3.8 41.9 2.9 20 DEC. Š

52.0 52.0 57.0 69.6

100.0

100.0

400 8 9 9 9 9

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93 9 9 9 9 9 9 9 9 9 9

9.66

100.0

26.2 99.2 99.3 99.3

6.40 74.7 65.0

9 0

100.0

100.0

93 3

23.2 43.2 67.9 67.9 99.6 100.0

20.03

42.7

82.5 94.6 98.9 100.0

99.9

999.5

C

0

MEAN S.D.

TOTAL OBS.

NAVWEASERVCOM

15.0 19.2 28.4 39.0 47.9 58.4 63.9 63.0 55.1 44.5 32.0 20.7 13.22511.611 9.623 8.521 6.215 7.754 5.747 6.147 8.139 8.92510.49011.701 992 893 977 960 1023 990 1023 992 940 992 940 992

19.240

40.0

DAILY TEMPERATURES

GLENVIEW ILLINDIS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

85 80 75 80 75 80 75 80 80 80 80 80 80 80 80 80 80	85 80 75 75 76 80 80 80 80 80 80 80 80 80 80	15.0	85 80 75 76 80 77 78 80 80 80 80 80 80 80 80 80 8	85 80 101 101 102 103 103 103 103 103 103 103 103	85 80 80 80 80 80 80 80 80 80 80
80 15 10 10 10 10 10 10 10 10 10 10	80 75 76 77 78 79 70 60 60 60 60 70 70 70 70 70 70 70 70 70 7	80 75 76 77 78 79 70 70 70 70 70 70 70 70 70 70	80 75 76 67 67 67 67 67 67 67 67 67	80 75 76 67 67 67 67 67 67 67 67 67	80 75 76 67 69 60 60 60 60 60 60 60 60 60 60
75	75	75 76 76 77 70 69 69 69 71 70 71 71 71 71 71 71 71 71 71 71 71 71 71	75 76 77 70 69 69 69 60 70 69 60 71 60 71 60 71 60 71 71 71 71 71 71 71 71 71 71 71 71 71	75 70 65 67 67 67 67 67 67 67 67 67 67	75 70 65 67 67 68 69 60 71 72 73 73 74 75 75 75 75 75 75 75 75 75
70 65 67 60 60 60 60 61 60 61 62 64 65 65 65 65 65 65 65 65 65 65	2.5 14.0 47.9 65 65 67 67 68.1 60 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.	2.5 14.0 47.9 65 6.6 28.9 68.1 60 6.6 28.9 68.1 60 7 10 12.4 41.9 79.4 99.4 61 15.7 9.9 34.7 80.0 100.0 62 49.6 13.7 86.4 99.9 63 15.0 23.5 53.1 94.6 100.0 63 15.0 23.5 53.1 94.6 100.0 62 49.6 100.0 100.0 63 15.0 99.7 99.8 60 7 96.9 99.9 60 99.6 100.0 100.0 60 99.6 100.0 100.0	2.5 14.0 47.9 65 65	2.5 14.0 47.9 65 65.9 65 65.9 65 65.9 66 65.9 67 1.0 12.4 41.9 79.4 99.8 68 15.0 23.5 19.4 60.0 99.0 68 15.0 23.5 53.1 94.6 100.0 68 15.0 23.5 53.1 94.6 100.0 68 15.0 23.5 53.1 94.6 100.0 73.7 86.4 98.8 73.7 86.4 98.8 73.7 86.4 98.8 75.8 98.9 100.0 75.8 98.9 100.0 75.8 98.9 100.0 75.8 98.9 100.0 75.8 98.9 100.0 75.8 98.9 100.0	2.5 14.0 47.9 65 65 60 13. 1.6 25.9 68.1 50 15.0 25.2 15.9 62.0 95.7 9.9 34.7 80.0 99.6 15. 15.0 23.5 53.1 94.8 100.0 25. 49.6 49.0 99.8 15. 100.0 98.8 100.0 16. 99.6 100.0 16. 99.6 100.0 16. 99.6 100.0 16. 99.6 100.0 17. 99.6 100.0 18. 90.6 100.0 18. 90.6 100.0 19. 90.6 100.0 10. 9
65 60 60 60 60 60 60 60 60 60 60	65 60 60 60 60 60 60 60 60 60 60	65 6.6 28.9 68.1 5.3 6.6 28.9 68.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 15.0 15.3 41.4 83.1 5.3 15.0 15.3 41.4 83.1 5.3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	65 6.6 28.9 68.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 41.4 83.1 5.3 42.6 63.0 34.7 80.0 99.0 100.0 5.3 45.0 75.4 99.1 100.0 100.0 5.3 95.8 99.9 5.3 73.7 86.4 99.9 5.3 73.7 86.4 99.9 5.3 73.7 86.4 99.9 5.3 73.7 86.9 99.9 5.3 73.7 86.9 99.9 5.3 73.7 96.9 99.9 5.3 73.7 96.9 99.9 5.3 73.7 96.9 99.9 5.3 73.7 96.9 99.9 5.3 73.7 96.9 99.9 6.3 73.7 96.9 99.9 6.3 73.7 96.9 99.9 6.3 73.7 96.9 99.9 6.3 73.7 96.9 99.9 6.3 73.7 96.9 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 6.3 73.7 99.9 99.9 99.9 99.9 99.9 99.9 99	65 68.1 60 25.9 27.9 68.1 50 12.4 41.9 79.4 99.8 45 15.0 23.5 13.4 41.9 79.4 99.8 40 52.9 34.7 80.0 99.0 100.0 35 15.0 23.5 53.1 94.8 100.0 36 49.6 63.0 88.9 99.9 50 62.9 76.6 96.1 100.0 50 95.8 98.5 100.0 50 95.8 98.5 100.0	65 60 83 84 85 87 86 87 87 86 87 87 87 87 87 87 87 87 87 87
55	\$5	55 (1.5) 41.4 83.1 15.3 41.4 83.1 15.3 41.4 83.1 15.3 41.4 83.1 15.3 41.4 83.1 15.3 41.4 83.1 15.3 41.4 83.1 15.3 41.6 95.8 1 15.0 15.0 15.4 41.9 79.4 99.8 15.7 99.9 34.7 80.0 99.0 100.	25	\$5	\$9
50	\$6	50	\$6	\$6	\$6
45 1.8 3.2 19.4 60.2 93.4 40 5.7 9.9 34.7 80.0 99.0 36.8 32.8 45.0 75.4 99.1 25.6 63.0 88.5 99.9 20.1 100.0 83.0 95.8 98.5 100.0 95.8 98.5 100.0 95.8 98.5 100.0 15.5	45 1.8 3.2 19.4 60.2 93.4 40 5.7 9.9 34.7 80.0 99.0 36.8 32.8 45.0 75.4 99.1 25.6 63.0 88.5 99.9 20.1 100.0 83.0 99.9 99.9 99.9 99.9 99.9 99.0 99.0 9	45 1.8 3.2 19.4 60.2 93.4 40 5.7 9.9 34.7 80.0 99.0 35 15.0 23.5 53.1 94.8 100.0 25 49.6 63.0 48.8 99.9 5 95.8 98.5 100.0 5 95.8 98.5 100.0 15 95.6 90.0 15 100.0	45 1.8 3.2 19.4 60.2 93.4 40 5.7 9.9 34.7 80.0 99.0 35 15.0 23.5 53.1 94.8 100.0 26 49.6 63.0 48.5 99.9 15 73.7 86.4 98.8 10 95.8 98.5 100.0 5- 98.9 100.0 15 95.6 100.0	45 1.8 3.2 19.4 60.2 93.4 40 5.7 9.9 34.7 80.0 99.0 35 15.0 23.5 53.1 94.8 100.0 26 49.6 45.0 75.4 99.1 27 73.7 86.4 98.8 10 83.6 93.7 99.8 5- 98.6 100.0 99.9 5- 98.9 100.0 99.9 15- 99.6 100.0 99.9	45 1.8 3.2 19.4 60.2 93.4 99.8 40 5.7 9.9 34.7 80.0 99.0 100.0 35 15.0 23.5 53.1 94.8 100.0 25 49.6 45.0 75.4 99.1 20 62.9 76.6 96.1 100.0 3.6 93.0 98.8 90.8 5- 98.9 100.0 100.0 5- 99.6 100.0 100.0
40 5,7 9,9 34,7 80,0 99,0 35 15,0 23,5 53,1 94,6 100,0 30,2 49,6 100,0 15,4 99,1 100,0 15,4 99,9 100,0 15,4 99,9 100,0 15,4 99,9 100,0 15,4 99,6 100,0 15,4 99,9 9,9 9,9 9,9 9,9 9,9 9,9 9,9 9,9	40 5,7 9,9 34,7 80,0 99,0 35,1 94,6 100,0 30, 32,8 45,0 75,4 99,1 25, 49,6 63,0 88,5 99,9 20,0 20,2 31,6 93,7 99,8 100,0 25,9 99,9 25,9 99,9 25,9 99,6 25,9 99,9 25,9 99,6 25,9 99,6 25,9 99,9 25,9 99,6 25,9 99,6 25,9 99,6 25,9 99,6 25,9 20,0 25,0 25,0 25,0 25,0 25,0 25,0 25,0	40 5,7 9,9 34,7 80,0 99,0 35,1 94,6 100,0 30, 32,8 45,0 75,4 99,1 20,0 25,6 63,0 88,5 99,9 20,0 20,0 20,0 20,0 20,0 20,0 20,0	40 5,7 9,9 34,7 80,0 99,0 35 15,0 23,5 53,1 94,8 100,0 25 49,6 63,0 88,5 99,9 20 62,9 76,6 96,1 100,0 15 95,6 93,7 99,8 5- 98,9 100,0 99,9 10- 99,6 100,0 15= 99,6 15= 100,0 15= 100,0	40 5,7 9,9 34,7 80,0 99,0 35 15,0 23,5 53,1 94,8 100,0 25 49,6 63,0 88,5 99,9 20 62,9 76,6 96,1 100,0 15 73,7 86,4 98,8 5 90,7 96,9 99,9 5 90,6 100,0 15 100,0 15 100,0	40
35 15.0 23.5 53.1 94.8 100.0 26 49.6 63.0 88.5 99.9 20 62.9 76.6 96.1 100.0 15 73.7 86.4 98.8 5- 98.9 100.0 99.9 15- 100.0	35 15.0 23.5 53.1 94.8 100.0 30 32.8 45.0 75.4 99.1 25 49.6 63.0 88.5 99.9 15 73.7 86.4 98.8 10 83.6 93.7 99.8 0 95.8 98.5 100.0 5- 98.9 100.0 15- 99.6 100.0	35 15.0 23.5 53.1 94.8 100.0 26 49.6 45.0 75.4 99.1 27 49.6 63.0 88.5 99.9 20 62.9 76.6 96.8 19 73.7 86.4 98.8 10 83.6 93.7 99.8 5- 98.9 100.0 99.9 15- 99.6 100.0 100.0	35 15.0 23.5 53.1 94.8 100.0 26 49.6 45.0 75.4 99.1 27 49.6 63.0 88.5 99.9 20 62.9 76.6 96.8 10 83.0 93.7 99.8 5- 98.9 100.0 15- 99.6 100.0 15- 99.6 100.0	35 15.0 23.5 53.1 94.8 100.0 25 49.6 63.0 88.5 99.9 20 62.9 76.6 96.1 100.0 15 73.7 86.4 98.8 10 83.0 93.7 99.8 0 95.8 98.5 100.0 15 95.6 100.0 15 95.6 100.0	35 15.0 23.5 53.1 94.6 100.0 25 49.6 63.0 88.5 99.9 20 62.9 76.6 96.1 100.0 15 73.7 86.4 98.8 10 95.8 98.5 100.0 5- 98.9 100.0 15- 99.6 10- 99.6 15- 100.0
25 49.6 45.0 75.4 25 49.6 63.0 88.5 20 62.9 76.6 96.1 25 73.7 86.4 98.8 20 83.0 93.7 99.8 5 90.7 96.9 99.9 5 90.7 96.9 99.9 5 99.6 100.0 15.0 100.0	25 49.6 45.0 75.4 25.0 45.0 75.4 25.0 45.6 63.0 88.5 100.0 89.9 89.9 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.3 100.0 15	25 49.6 45.0 75.4 25.0 45.0 75.4 25.0 45.6 63.0 88.5 100.0 88.5 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.3 10	25 49.6 45.0 75.4 25.0 45.6 49.6 45.0 75.4 20 25.9 76.6 96.1 10 83.6 93.7 99.8 5 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.2 100.0 15.3 100.0 1	25 49.6 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 45.0 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4	25 49.6 43.0 48.5 99.9 20 62.9 76.6 96.1 100.0 15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 15= 100.0
20 62.9 76.6 96.1 15 73.7 86.4 99.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 15- 99.6 10- 99.6 15- 100.0	20 62.9 76.6 96.1 15 73.7 86.4 98.8 10 83.6 93.7 99.8 10 95.8 98.5 100.0 10- 99.6 100.0 15- 99.6 100.0	20 62.9 76.6 96.1 15 73.7 86.4 96.1 10 83.6 93.7 99.8 5- 98.9 100.0 10- 99.6 100.0 15- 99.6 100.0	20 62.9 76.6 96.1 15 73.7 86.4 96.1 10 83.6 93.7 99.8 5- 98.9 100.0 10- 99.6 100.0 15- 100.0	20 62.9 76.6 96.1 15 73.7 86.4 98.8 10 83.6 93.7 99.8 5- 98.9 100.0 10- 99.6 100.0	20 62.9 76.6 96.1 100.0 15 73.7 86.4 98.8 10 83.6 93.7 99.8 10 83.6 93.7 99.8 10 95.8 98.5 100.0 15 99.6 100.0 15 100.0
15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 15 100.0	15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 10- 99.6 15- 100.0	15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 10- 99.6 100.0	15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 10 95.8 98.5 100.0 10 99.6 15 100.0	15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 10- 99.6 100.0 15- 100.0	15 73.7 86.4 98.8 10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 10 99.6 15 100.0
10 83.6 93.7 99 5 90.7 96.9 99 5 98.9 100.0 10- 99.6 15- 100.0	10 83.6 93.7 99 5 90.7 96.9 99 5 98.9 100.0 10- 99.6 15- 100.0	10 83.6 93.7 99 5 90.7 96.9 99 5 98.9 100.0 10- 99.6 15- 100.0	10 83.6 93.7 99 5 90.7 96.9 99 5 98.9 100.0 10- 99.6 15- 100.0	10 83.6 93.7 99 5 90.7 96.9 99 5 98.9 100.0 10- 99.6 100.0	10 83.6 93.7 99.8 5 90.7 96.9 99.9 5 98.9 100.0 10- 99.6 15- 100.0
5 90.7 96.9 99 0 95.8 98.5 100 10- 99.6 15- 100.0 15- 100.0	5 90.7 96.9 99 0 95.8 98.5 100 10- 99.6 15. 15- 100.0	5 90.7 96.9 99 5 95.8 98.5 100 10 99.6 100.0 15 100.0 1	5 90.7 96.9 99 5 95.8 98.5 100 10 99.6 100.0 15 100.0	5 90.7 96.9 99 5 95.8 98.5 100 10 99.6 100.0 15 100.0	5 90.7 96.9 99.9 5 98.9 100.0 10 99.6 10 99.6 15 100.0
5- 98.9 100.0 10- 99.6 15= 100.0	5- 98.9 100.0 10- 99.6 15= 100.0	5- 98.9 100.0 10- 99.6 15= 100.0	5- 98.9 100.0 10- 99.6 15= 100.0	5- 98.9 100.0 10- 99.6 15= 100.0	5- 98.9 100.0 10- 99.6 10- 99.6 15= 100.0
98,9 100,	98,9 100.	98,9 100.	98,9 100,	99.6	10- 99.6 10- 99.6 15= 100.0
					10- 99.6 15= 100.0
7					155 10000
MEAN 22.7 26.9 36.4 48.4 58.1 68.6 73.4 72.3	MEAN 22.7 26.9 36.4 48.4 58.1 58.6 73.4	MEAN 22.7 26.9 36.4 48.4 58.1 58.6 73.4	MEAN 22.7 26.9 36.4 48.4 58.1 68.6 73.4	17.74510.44310.413 9.898 9.460 8.494 8.996	

DAILY AVERAGE/EXTREME TEMPERATURES

* NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINOIS

14855 STATION

STATION NAME

MONTH JANUARY YEARS 1946-1977

	MEAN TEMP	EMP		M	MAXIMUM TEMP	MP				MINIMUM TEMP	EMP	
	AVERAGE	AGE	AVERAGE	IGE	EXTREME	EME		AVERAGE	NGE	EXTREME	EME	
DAY	u.	0.	u.	o°.	H 0	o°.	DATE	H ₀	o°.	J _o	၁့	DATE
-	23.9	-4.5	29,8	-1.2	48	8.9	1950	18.0	-7,8	-11	-23.9	1968
2	26.5	-3.1	32.4	0.2	56	15.0	1950	20.7	-6.3	0	-17.8	1969
3	25.0	-3.9	32.2	0.1	59	15.0	1950	17.7	-7.9	- 5	-20.6	1969
4	21.0	-6.1	28.0	-2.2	46	7.8	1946	13.9	-10.1	4.	-21.7	1969
5	22.9	-5.1	30.5	8·0-	54	12.2	1946	15,3	-9.3	8.	-22,2	1959
9	23.4	8.4-	30.2	-1.0	48	8.9	1965*	16.6	-8.6	9.	-21,1	1970
7	22.2	-5.4		-1.5	56	13,3	1965	15.2	-9.3	-12	-24.4	1968
00	22.8	-5.1		8-0-	19	16,1	1965	15.0	4.6-	-11	-23,9	1976
6	23.5	7.4-	30.4	6.0-	64	4.6	1972	16.7	8.5	-12	-24.4	1962
10	23.0	-5.0	30.7	-0-7	09	15.6	1975	15.2	£-6-	-16	-26.7	1962
11	21.6	.5.8	29.3	-1.5	46	7.8	1975	13.9	-10.1	-12	-24.4	1977*
12	22.8	-5.1		-1.0	58	14.4	1960	15.3	-9.3	7	-23.9	1974
13	23.7	9-4-6	31.5	-0.3	54	12.2	1961	15.8	0.6-	9.	-21.1	1963
14	24.6	-4.1	31.3	4.0-	53	11.7	1952	17.8	-7.9	-11	-23.9	1957
15	23.4	8.4-8		+0-	59	15.0	1949	15.6	-9.1		-26.1	1972
16	20.0	-6.7	27.8	*2.3	96	13.3	1949	12,2	-11.0	61-	-28,3	1977
17	20.6	-6.3	28.0	-2.2	58	14.4	1973	13,1	-10.5	-15	-26,1	161
18	22.8	-5.1	30.6	-0.8	56	13.3	1973	15.0	7.6-	-11	-23.9	1961
19	23.1	6.4-	30.8	-0.7	51	10.6	1973	15.4	-9.2	9.	-21.1	1970
20	22.5	-5.3	30.6	8.0-	95	7.8	1961	14.5	7.6-	6.	-22.8	1963
21	23.6	-4.7	30.5	9.0-	56	13.3	1957	16.6	9.8.	-15	-26.1	1963
22	22.9	-5.1		8.0-	55	12.8	1967*	15.3		-10	-23.3	0261
23	22.0	-5.6		-1.2	09	15.6	1961	14.1	6.6-	-18	-27.8	1963
24	24.5	-4.2	32,8	0.4	64	17.8	1967*	16.3	-8.7	-12	-24.4	1963
25	24.9	-3.9	32.6	6.0	67	19.4	1950	17.2	-8,2		-21,7	1963
26	22,2	-5.4	29.6	-1.3	88	15.0	1973	14.7	9.6-		-20.6	1957
27	19.4	-7.0	26.5	-3,1	84	8.9	1947	12,3	-10.9	-11	-23.9	1955
28	19.4	-7.0	27.5	-2.5	5.1	10.6	1970	11,93	-11,5	-16	-26.7	161
29	19.5	6.9-	26.9	m2.8	51	10.6	1968	12.0	-111,1	-17	-27,2	1966
30	18.0	8.4.	26.1	-3.3	54	12.2	1974	9.6	-12.3	-20	-28.9	1951
31	20.4	4.0-	28,5	-1.9	50	10.0	1968	12,3	-10.9	94	-21,1	1971
Monthiv	22.5	-5.3	59.6	-1.2	67	19.4	1950	15.0	4.6-	-20	-28.9	1951

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILL INDIS

14855 STATION

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1946-1977

YEARS

FEBRUARY

MEAN LEMP	INI		100		1151				MINISTER ON LENGT	TINE	
AVERAGE	35	AVERAGE	GE	EXTREME	EME		AVERAGE	GE	EXTREME	EME	
	J .	LL o	o°.	u.	ပ	DATE	⊌ °	o.	40	ွ	DATE
7	-5.2	29.9	-1.2	55	12.8	1968	15.4	-9.2	6.	-22.8	1951
20.3	-6.5	28.0	-2.2	40	8.9	1973	12.6	-10.8	-16	-26.7	1951
21.5	.5.8	28.7	-1.8	45	7.2	1973	14.2	6.6-		-22.2	1970
24.4	-4.5	33,3	0.7	53	11.7	1973	15.5	-9.5	7=	-20.0	1965
26.0	-3.3	33.9	1.1	96	13.3	1946	18.2	-7.7		-19.4	1947
24.5	-4.2	31.7	-0.2	50	10.0	1964	17.4	-8.1		-20.6	1962
22.1	-5.5	29.5	-1.4	48	8.9	1965	14.8	-9.6		-21.7	1972*
23.2	6.4-	29.9	-1.2	32	11.1	1966	16.6	48.6	-11	-23.9	1981
24.1	4.4-	31.8	-0.1	56	13.3	1966	16,3	1.8.7	-12	-24.4	1861
25.9	-3.4	33.6	6.0	58	14.4	1976	18.2	-7.7		-19.4	1958
4	-3.7	32.3	0.2	36	13.3	1977	18.4	-7.6	8.	-22.2	1955
27.7	-2.4	34.6	1.4	55	12.8	1976	20.9	-6.2		-22.2	1961
27.1	-2.7	34.2	1.2	50	10.0	1954	20.1	9.9-		-20.6	1955
27.0	-2.B	34.3	1.3	59	15.0	1954	19.7	8.9-	0	-17,8	1963*
26.7	-2.9	34.3	1.3	99	18,9	1954	19.2	-7.1	**	-20.0	1946
26.8	-2.9	33.6	6.0	50	10.0	1968	20.1	9.9-	. 3	-22,2	1958
28.1	-2.2	35.3	1,8	50	10.0	1961*	20.8	-6.2	-8	-22,2	1958
30.5	8.0-8	38.0	3.3	09	15.6	1961	22.9	-5.1	E = 3	-19.4	1958
27.4	-2.6	34.2	1.2	09	15.6	1971	20.5	+6.4	-2	-18.9	1959
26.3	-3.2	34.8	1.6	57	13.9	1954	17.8	-7.9	=	+19.4	1966
8	-2.9	34.6	1.94	5.5	12.8	1961	19.1	-7.2	6.	-21.7	1963
27.1	-2.7	35.0	1.7	5.1	10.6	1961	19.3	-7.1	9=	-21,1	1963
29.5	-1.4	36,3	5.4	19	16.1	1977	22.8	-5.1	20	-15.0	1967*
90.9	9.0-	37.8	3.2	63	17.2	1976	23.9	-4.5	9.	-21,1	1961
30.2	-1.0	37.2	2.9	99	18.9	1976	23.2	6.4-	4-	-21.7	1967
30.9	-0.0	39.2	0.4	09	15.6	1976	22.7	-5.2		-18.3	1963
31.0	-0.6	37.9	3.3	72	22.2	1976	24.1	4.4-	-	-17.2	1950
3	+0-	38.8	3,8	57	13.9	1974#	23.8	9.4-		-18.3	1962
7	-0.2	40.4	4.7	64	17.8	1972	23.1	6.4-	9	-14.4	1960
							,				
36.6		24									

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINOIS

STATION NAME

STATION 14855

1945-1977

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AVERAGE		AVERAGE	GE	EXTREME	EME		AVERAGE	GE	EXTREME	EME	
₽°	o°.	٥,	၁့	LL o	၁့	DATE	L °	ပ	∀ °	ပွ	DATE
31.3	+0-4	39.4	4.1	9	15.6	1972	23.1	6.4-	6.	-22 · B	1962
32,3	0.2	39.0	3.9	69	20.6	1974	25.6	-3,6	1.	-18,3	1950
34.3	1.3	41.6	5,3	77	25.0	1974	26.9	-2,8	80	-13.3	1950
32.9	0.5	40 · 8		88	14.4	1968	25.0	-3.9	4	-13.9	1960*
32.0	0.0	39.0	3.9	29	15.0	1946	24.9	-3.9	-	-17.2	1960
33.1	9.0	40.4	4.7	99	18.9	1991	25.8	-3.4	-	-17.2	1960
32.0	0.0	39.3	4.1	99	17.8	1973	24.8	0.4-	*	-15.6	1960*
31.1	-0.5	38.8		89	20.0	1977	23.5	-4.7	80	-13.3	1967#
12,3	0.2	38.9	3.8	67	19.4	1977	5		11	-11.7	1950*
33.6	6.0	40.2	4.6	69	20.6	1955	27.1	-2.7	4	-13.9	1948
35.5	1.9	42.2		73	22.8	1972	28.8	-1.8	*	-15.0	1948
35.1	1.7	42.1	5.6	67	19.4	1977	28.1		-2	-18.9	1948
34.1	1.2	41.3	5.2	70	21.1	1957	50.02	-2.8	10	-12,2	1948
36,5	2.5	43.6	4.9	72	22.2	1973	29.3	-1.5	11		1960
35.8	2.1	43.4	6.3	72	22.2	1977	2.82	-2.1	1.1	-11.7	1970
35,7	2,1	43.8	9.9	78	25.6	1945	27.6	-2.4	16	6.8-	1970
35,3	1.8	44.2		73	22.8	1966	56.4	-3.1	11	-11.7	1961
36.6	2.6	6.44	6,8	72	22.2	1969	6.82	-1.7	10	-12.2	1965
38.2	3.4	45.4	7.4	16	24.4	1976	30.9	-0.6	6	-12.8	1965
37.0	2.3	44.6	7.0	7.1	21.7	1976	29.4	-1.4	4	-15.6	1965
38.2	3.4	46.3		7.4	23,3	1953	30.2	-1.0	6	-12.8	1965
36.6	2.6	44.6	7.0	65	18.3	1945	28.5	-1.9	16	-8.9	1959*
37.7	3.2	40.4	8.0	78	25.6	1945	29.0	-1.7	77	-10.0	1965
37.8	3.2	45.4	7.4	74	23.3	1959	30.2	-1.0	6	-13.9	1974
38,6	3.7	47.1	8.4	7.5	23.9	1967	30.2	-1.0	6	-12.8	1960
39.9	4.4	48.2	0.6	77	25.0	1976	31.6	-0.2	11	-11.7	1955
41.3	5.2	50.2	10.1	82	27.8	1945	32.4	0.2	9	-14.4	1965
41.8	5.4	6.64	6.6	79	26.1	1968	33.8	1.0	12	-111.1	1970
100	4.5	68.3	9.1	46	26.1	1963	31.9	-0.1	15	-9.4	1969
39.8	6.4	0.64	9.6	77	25.0	1967	30.7	-0.7	11	-11.7	1969*
41.8	5.4	6	6.6	76	24.4	1971	33.7		12	-11.1	1969
36.1	2.3	43.R	4	ca	97.0	104 R	2 86	000	-	0 00	6701

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

GLENVIEWAILLINGIS

STATION NAME

STATION 14855

1945-1977

YEARS

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MONTH

53.4 11.3 55.9 11.8 55.9 13.3 57.8 14.3 57.8 14.3 59.5 17.8 60.3 15.7 60.3 15.7 60.3 15.7	4 - 1 - 1 - 2 - 4 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
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	10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5

*ALSO ON EARLIER YEARS

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NAME

"NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1977

STATION NAME

GLENVIEW, ILLINUIS

YEARS

MONTH

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*ALSO ON EARLIER YEARS

14855 STATION

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINOIS

14855 STATION

STATION NAME

1945-1977

YEARS

MONTH JUNE

	MEAN LEMP	EMP		NA.	INTERIOR PENEL				IAI	INTERIOR TENE	110	
L	AVERAGE	1GE	AVERAGE	AGE	EXTREME	ME		AVERAGE	SE	EXTREME	ME	
DAY	u.	°,	H.	o°.	u. o	ပ ့	DATE	<u>ч</u>	o°.	J° €	ွ	DATE
-	62.6	17.0	72.3	22.4	16	32.8	1981	52.9	11.6	43	6.1	1946
2	61.5	16.4	71.2	21,8	9.1	32.8	1972*	51.9	11,1	40	4.4	1956
3	62.6	17.0		23.0	63	33.9	1972	51.6	11.0	37	2.8	1945
4	2.99	19.0	77.7	25.4	56	34.4	1953	54.7	12.6	34	1.1	1945
2	67.0	19.4	17.6	25.3	44	36.1	1971	56.5	13,6	34	1.1	1945
9	66.5	19.2	76.5	24.7	66	35.0	1971	56.5	13.6	44	6.7	1958*
7	67.2	19.6			06	32.2	1971#	57.5	14.2	44	6.7	1977
8	67.4	19.7	76.7	24.8	63	33.9	1963	58.0	14.4	4.3	7.2	1969
6	67.0	19.4	77.1	25.1	65	35.0	1968		13,8	42	5.6	1977*
10	0.89	20.0	78.9	26.1	96	35.0	1968	57.1	13.9	25	5.6	1977*
=	68.8	20.4	79.5	26.4	63	33.9	1954	58.2	14.6	38		1972
12	68.2	20.1	77.3	25.2	96	35.6	1956	89.0		48	8.9	1955*
13	67.1	19.5	76.8	24.9	96	35.0	1956	57.5	14.2	45	7.2	1946
14	66.1	18.9	75.2	24.0	63	33.9	1976	57.1	13.9	45		1946
15	65.8	18.8	75.0	23.9	76	34.4	1961	56.5	13.6	47	8,3	1991*
16	67.6	19.8	77.6	25.3	63	33.9	1952	57.5	14.2	4.5	7.2	1947
17	67.5	19.7	77.0	25.0	63	33.9	1957	57.9	14.4	46	7.8	1948
18	0.69	20.6	78.9	26.1	63	33.9	1962*	59.1	15.1	46	7.8	1958
19	69.1	20.6	79.3	26.3	101	38.3	1953	58.9	14.9	20	10.0	1948*
20	68.2	20.1	77.8	25.4	102	38.9	1953	58.6	14.8	**	6.7	1948
21	68.6	20.3	78.0	25.6	96	34.4	1954	59.1	15.1	4.5	7.2	1963
22	69.5	20.8	79.2	26.2	9.8	35.0	1965	59.8	15.4	42	5.6	1963
23	70.07	21.1	79.5	26.4	66	35.0	1968	60.5	15,8	4.5	7,2	1972
24	20.6	21.4	80.4	26.9	*6	34.4	1956	80.09	16.0	48	8,9	1972
25	70.0	21.1	80.0	26.7	96	36.7	1954	56.6	15,5	52	11.1	1974*
26	71.9	22.2	82.0	27.8	96	35.6	1964	61.9	16.6	50	10.0	1945
27	73.1	22.8	82.8	28.2	96	35.6	1971	63.3	17.4	55	1101	1970*
28	74.0	23,3	83.9		66	37.2	1971	64.2		53	12.8	1956*
29	74.4	23.6	84.7	29.3	100	37.8	1964	54.1	17,8	52	11.1	1991*
30	74.6	23.7	84.1	28.9	66	37.2	1953	65.0	18,3	51	10.6	1965
31												
Monthly	40 3		100									

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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILL INDIS

STATION NAME

STATION 14855

1945-1977

YEARS

MONTH JOLY

	MEAN TEMP	LEMP		Ň	MAXIMUM TEMP	MP			2	MINIMUM TEMP	MP	
_	AVERAGE	AGE	AVERAGE	AGE	EXTREME	EME		AVERAGE	3E	EXTREME	EME	
DAY	4 °	o°.	4 °	o°.	4 °	၁့	DATE	4 °	o°.	J₀ F	ပ	DATE
1	73.6	23.1	83.8	28,8	66	37.2	1956	63.3	17.4	44	8.3	1965
2	73.1	22.8		28.7	66	37.2	1970	62.5	16.9	52	11,1	1959
3	71.5	21.9		26.9	86	36.7	1974#	62.5		51	10.6	1968
4	71.5	21.9	80.5	26.9	96	35.6	1955	62.4	16.9	50	10.0	1972
5	71.1	21.7		26.9	65	35.0	1977*	61.8	16.6	47	8.3	1972
9	71.0	21.7	80.9	27.2	95	35.0	1977	0.19	16,1	52	11.1	19561
7	72.7	22.6	82.2	27.9	93	33.9	1952*		17,3	53	11.7	1959
8	72.7	22.6	82,2		96	35.6	1974*	63.3	17.4	51	10.6	1954
6	713.9	22.2	81.2	27.3	26	36.1	1974	62.6	17.0	53	11.7	1961
10	71.8	22.1	81.5	27.5	16	36.1	1976*	62.2	16.8	52	11.1	1953#
11	72.7	22.6	82.5		95	35.0	1966	2	17.1	50	10.0	1945
12	74.2	23.4	84.1	28.9	86	36.7	1966		17.9	55	12.8	1975*
13	73.1	22.8	82.5	28.1	46	36.1	1974	63.8	17.7	53	11.7	1975
14	72.9	22.7	81.9	27.7	16	36.1	1976#	63.8	17.7	51	10.6	1950
15	72.2	22.3	81.2	27.3	44	36.1	1977	63.3	17.4	52	1101	1967
16	73.7	23.2	83.7	28.7	96	35.6	1969	63.7	17.6	64	7.2	1945
17	74.1	23.4	83,5	28.6	95	35.0	1964	8.49	18,2	53	11.7	1945
18	74.4	23.6	83.1		100	37.8	1946	65.7	18.7	57	13.9	1956
19	73.4	23.0	82.1	27.8	95	35.0	1977	64.7	18.2	54	12.2	1947
20	73,3	22.9	82.0	27.8	65	35.0	1954	64.5	18.1	54	12.2	1970*
21	74.1	23.4	85.8	28.2	1.6	36.1	1972	65.4	18.6	20		1947
22	74.4	23.6	•	28.4	6.4	36.1	1965	65.6	18.7	46	7,8	1947
23	73,3	22.9	•	27.7	76	34.4	1976	6.49	18,3	20	10.0	1947
24	74.2	23.4	83.4	28,6	101	38.3	1945	65.1	18.4	57	13.9	1947
25	73.7	23.2		28.4	46	34.4	1966	64.3	17.9	56	13,3	1946
26	74.4	23.6	83.9	28.8	86	36.7	1955	6.49	18,3	52	11,1	1962
27	75.5	24.2	84.9	29.4	101	38.3	1955	0.99	18,9	54	12.2	1971
28	74.3	23.5	83.0	28,3	76	34.4	1964	65.5	18.6	56	13,3	1972
59	73.4	23.0	82.4	28.0	46	34.4	1953	4.49	18.0	56	13.3	1968
30	73.7	23.2	83.0	28,3	96	35.6	1947	64.3	17.9	24	12,2	1971
31	72.8	22.7	•		26	36.1		64.3	17.9	51	10.6	1971
Monthly	73.2	22.9	82.8	28.1	0	32.2	10554	43.6	17.7	44	1 3	

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILL INDIS

STATION 14855

STATION NAME

1945-1977

YEARS

MONTH AUGUST

	MEAN TEMP	EMP		2	MAXIMUM LEMP	MIN			2	MINIMOM LEMP	MF	
L	AVERAGE	GE	AVERAGE	GE	EXTREME	SME		AVERAGE	3.E	EXTREME	ME	
DAY	L 0	000	L 0	o°.	u 0	၁့	DATE	4 °	o°.	4 °	၁့	DATE
-	711.7	22.1	80.1	26.7	96	34.4	1964	63.4	17.4	20	10.0	1947
2	72.6	22.6	81.5	27.5	26	36.1	1964	63.7	17.6	54	12.2	1948
3	71.9	22.2	80.8	27.1	95	35.0	1955	65.6	17.2	64	9.6	1950
4	71.6	22.0	80.3	26.8	101	38.3	1947	62.8	17.1	52	11.1	1972
2	71.3	21.8	80.1	26.7	66	37.2	1947	62.5	16.9		9.6	1972
9	72.3	22.4	81.0	27.2	100	37.8	1947	63.6	17.6	64	5.6	1948
7	72.6	22.6	81.6	27.6	92	33.3	1949	63.7	17.6	52	11.1	1950
80	72.3	22.4	80.7	27.1	96	35.6	1949	63.6	17.7	52	11.1	1972
6	71.8	22.1	80.5	56.9	46	34.4	1949	63.0	17.2	48	8.9	1972
10	71.7	22.1	80.6	27.0	76	34.4	1949	2	17.1	51	10.6	1972
11	71.2	21.8	80.2	0	63	33.9	1947	62.1	16.7	53	11.7	1967*
12	71.3	21.8	80.9	7.	92	33.3	1958*	61.7	16.5	64	4.6	1961
13	72.0	22.2	81.7	7	63	33.9	1947	62.3	16.8	51	10.6	1961
14	72.1	22.3	6008	7.	76	34.4	1972	63.2	17,3	64	4.6	1964
15	72.4	22.4	81.7	27.6	63	33.9	1965	63.2	17.3	25	11.1	1964*
16	72.0	22.2	80.9		76	34.4	1950	63.1	17,3	54	12.2	1976#
17	72.4	22.4	32.4	28.0	26	36.1	1947	62.5	16.9	53	11.7	1971
18	71.3	21.8	80.3	26.8	98	36.7	1947	62.2	16.8	64	9.4	1963
19	71.4	21.9	80.3	26.8	98	35.0	1955*	62.4	16.9	51	10.6	1953*
20	71.9	22.2	81.1	27.3	16	36.1	1955#	62.8	17.1	45		1950
21	72.9	22.7	82.6	28.1	66	37.2	1955	63.2	17,3	45	7.2	1950
22	71.8	22.1	80.9	27.2	95	35.0	1968*	62.7	17.1	51	10.6	1952
23	70.8	21.6	79.5	26.4	96	35.6	1968	62.2	16.8	84	8.9	1952
24	70.8	21.6	80.3	26.8	100	37.8	1947	4.19	16.3	20	10.0	1952
25	71.0	21.7	80.7	27.1	96	35.6	1948	61.4	16,3	46	7.8	1958
56	72.7	22.6	82.5	28.1	96	35.6	1948	62.8	17.1	64	4.6	1945
27	74.2	23.4	84.0	28.9	46	36.1	1976*	64.3	17.9	20	10.0	1968
28	74.5	23.6	84.5	29.2	9.6	36.7	1955	64.5	18.1	64	4.6	1968*
29	73.3	22.9	82.8	28.2	96	35.6	1953	63.8	17.7	45	7,2	1965
30	73.1	22.8	82,3	27.9	96	35.6	1953	63.9	17,7	52	11,1	1974
31	72.1	22.3	80.8		100	37.8	1953	63.5		20	10.0	1967
Monthly	13 1	*				-				-	-	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

* NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA GLENVIEW, ILL INDIS

STATION NAME

STATION 14855

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DAY

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1945-1977

YEARS

MONTH

SEPTEMBER

1967* 1974* 4926 1951* 1958* *996 T 1950* 1953 1949 1959 1949 1950 1955 1956 950 1974 1962 1956 186 1974 1974 1957 1972 1661 95 2.8 0.0 7.2 5.6 3.3 3.9 5.6 5.6 9.0 7.8 4.6 2.0 2.8 4 . 4 6.1 6.1 101 EXTREME MINIMUM TEMP 40 39 33 32 37 € 5 43 32 34 3 14,2 14.5 13,3 12.3 13,2 13,7 13,8 12.4 12,8 4.6 14.3 12.8 10.3 10.4 AVERAGE 55.1 56.6 54,3 53.2 50.5 57.6 54.2 58.3 55.9 55,0 54.1 55.8 56.8 50.7 60.3 58.2 58.6 55.1 55.9 50.8 49.1 58.1 1961# 1971# * 596 1967* 1953 1964 1952 1971 1955 1955 955 1955 1970 1958 1954 1953 960 1960 1954 1960 1960 962 1945 1958 1982 1953 1973 37.8 35.6 35.6 33.9 59.4 35.0 35.0 32.8 32.8 32.8 31.1 32.2 32.8 33.3 33.9 30.0 31.7 29.4 28.9 36.7 34.4 30.0 31.1 EXTREME MAXIMUM TEMP 100 001 8 06 85 56 6 92 63 3 6 82 91 0 6 23.4 23.1 22.9 22.6 21.9 20.4 25.6 25.2 54.9 25.8 24.4 22.2 23.6 21.4 20.8 19.9 25.1 23.1 AVERAGE 68.8 73.5 77.4 75.9 72.7 72.8 72.0 74.2 70.5 7.69 61.0 68,6 76.8 78.4 74.5 68,2 73.6 70.2 70.1 21.6 18.7 7.4 18.8 19.8 19.9 20.3 18.2 18.3 16.9 15.4 15.9 17.9 19.7 19.3 16.8 15.1 15.4 16.1 16.1 \$20.1 MEAN TEMP AVERAGE 59.5 64,2 65.0 65.7 59.8 6745 68.1 66.7 65.6 8.49 63.8 63.4 62.4 62.3 6.09 61.0 9009 63.1 Monthly

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ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW, ILLINDIS

14855 STATION

STATION NAME

1945-1977

MONTH

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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

**NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

GLENVIEW, ILLINOIS 14855 STATION

STATION NAME

1945-1977

YEARS

MONTH

NOVEMBER

	MEAN TEMP	EMP							2	MINIMOM LEMP	MP	
_	AVERAGE	AGE	AVERAGE	GE	EXTREME	EME		AVERAGE	GE	EXTREME		
DAY	40	o°.	9 °F	o°.	u. o	၁့	DATE	L 0	o °	u	ွ	DATE
	46.4	9.1	56.T	13.7	78	25.6	1950	40.1	4.5	54	4.4-	195
2	47.3	8.5	54.2	12.3	75	23.9	1961	40.3	4.6	7 7	-10.0	195
3	43.8	9.9	51.2	10.7	73	22.8	1977	36.4	2.4	11	-11.7	195
4	42.6	5.9	48.9	4.6	70	21.1	1964	36.3	5.4	12	-11.1	195
5	43.5	4.0	51.3	10.7	70	21.1	1975	35.7	2.1	6	-13.9	195
9	43.1	5.5	50.9	10.5	73	22.8	1975	35.4	1.9	19	-7.2	197
	43.0	6.1	50.9	10.5	72	22.2	1945	35.1	1.7	16	-8.9	197
8	41.9	5.5	49.7		68	20.0	1945	34.1	1.2	14	-10.0	1976
6	41.3	5.4		9.7	69	20.6	1964	34.2	1.2	50	1.9-	1973
10	41.2	5.1	0.64	9.6	68	20.0	1949	33.4	0.8	50	-6.7	195
11	42.5	5.8		10.0	7.1	21.7	1964	35.1		14	-10.0	1950
12	42.0	3.6	49.2	9.6	29	19.4	1964*	34.8	1.6	80	-1	1976
13	41.3	5.2		9.6	67	19.4	1954	33.3	0.7	17		1947
14	41.8	5.4	49.5		73	22.8	1971			11		1989
15	43.1	6.2	50.9	10.5	69	20.6	1953	35.2	1.8	-	-11.7	1959
16	42.9	6.1	51.7	10.9	70	21.1	1952			2	-15.0	1959
17	41.9	5.5	48.7	9.3	72	22.2	1958	35.1	1.7	2		1959
18	6.04	6.4	48.3	9.1	70	21.1	1953	33.5	0.8	13	-10.6	1959
19	38.2	3.4	44.6	7.0	7.1	21.7	1953	31.8	-0-1	2	4.6-	1951
20	37.5	3.1	44.4	6.9	62	16.7	1953		-0.B	1.5	4.6-	1969
21	36.1	2.3	43.1	6.2	61	16,1	1963	29.2	-1.6	23	-13.3	1964
22	35.8	2.1	43.1		62	16.7	1963	28.5	-1.9	13	-10.6	1964
23	35,1	1.7	42.1	5.6	61	16.1	1974#	28.0	-2.2	-2	-18.9	1950
24	34.4	1.3	41.2	5.1	99	17.8	1966	27.5	-2,5	.3	-19.4	1950
25	34.7	1.5	42.3	5.7	61	16.1	1976*	27.1	-2.7	= 2	-18.9	1980
26	34.7	1.5	41.9	5.5	62	16,7	1965	27.5	-2.5	80	-15.0	1977
27	32.8	4.0	39,3		09	15.6	1957		-3.2	9	*	1955
28	30.0	1110	36.0	2.2	63	17.2	1960	24.0	4.4-	~	-16.7	1976
29	29.0	-1.7	36.4	2.4	62	16.7	1975		-5.8		-20.6	1976
30	29.6	-1.3	37.4	3.0	63	17.2	1975		-5.7	*		194
31											4	
Monthly	200											

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*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

JUNA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

GLENVIEW. ILL INDIS

STATION 14855

STATION NAME

1949-1977

YEARS

MONTH DECEMBER

		ш	9	9	9	9	*9	1	**	80	80	8	2*	2	8	8	1	_	1	2	3	69	3	0	0	1	7	*2	0	1	9	9	1
		DATE	1966	1976	1966	1976	1976	1977	1461	1958	1958	195	1972	196	1958	1958	1951	195	195	1945	£961	6961	1963	0961	0961	1951	1977	1962	1950	1961	1976	1976	196
MP	EME	၁့	-12.8		-13.9	-12.2	12.	-17.8	-17.8	-19.4	-22.8	-20.6	-19.4	-20.6	-20.0	-18.9	-22.2	-25.6			-21.1	-22.2	-20.0	-21.7	-23.9	-22.2	-19.4	-21.1	-24.4	-21.1	-22.2	-20.6	-23.9
MINIMUM TEMP	EXTREME	9°	6	2	4	07	10	0	0	•3	6.	• 5	6.		*	-2		17-	-10	-	9-	8=	5=		-11	8	8	9=	-12	9.			
N		o°.	9.4-	-3.4	-2.1	-2.5	-2.8	2.4-2	-4.6	4.4	1.9-	-7.2	-6.5	4.9-	-7.2	-7.2	-7.7	-7.3		-7.5	+0-0-	-6.2		-7.7	9.9-	-7.8	-6.7	-7.6	-8.0	-7.7	-7.1	-7.5	28.4
	AVERAGE	, F	23.7	25.9	28.3	27.5	26.9	24.5	23.8	-	21.0	19.1	20.3	20.5	19.1	19.1	18.2	18.8	17.7	18.5		-	19.4	18.1	20.2	18.0	19.9	18.3	17.6	18.1	19.2		6.41
-		DATE	1970	1962	1970	1961	1975	1661	1946	1946	1946	1971*	1949	1965	1975	1975	1971	1977	1977	1957	1976*	1949	1961	1957	1965	1965	1971	1959	1946	1959	1972	1965	1066
Ь	1E	o°.	21.1	16.7	18.3		17.2	17.8	15.6	18.3	15.6	14.4	16.7	13,3	17.8	16.1	18.3		15.0	12.2	11.7	15.0	16.7	12.8	12.8	12.8	8.3	10.6	14.4	10.0	6.3	13.9	0. 2
MAXIMUM TEMP	EXTREME	u.	70	62	65		63	49	60	65	09	58	62	26	49	19	65	54	50	54	53	65	62	55	55	55	47	51	8	50	47	2.5	20
MA	E	° °	3.1	5.0	5.5		4.9	3.8	3.1	5.4	1:1	8.0	1.3	1.1	0.7	0.1	0.2		0.1	0.2	0.5	-	0.3	0.3	4.0	1.1	0.4	-0.6	0.3			-0.3	-0.2
	AVERAGE		37.5	41.0	41.9	42.3		38.8	37.5	36.4	34.0	33.5	34.3	33.9	33.2	32.2		32.1	32.2	32.3	-	32.8	32.5	32.5	32.8	33.9	32.8	36.9	32.6	32.6	32.2	31.5	31.7
d		0,	8.0-	8.0	1.7	1.6	1.1	-0.2	-0.7	0.1-	-2.5	-3.2	-2.6	-2.7	-3.3	3.5	43.7	-3.6	-3.0	-3.7	-2.9	-2.8	.3.3	-3.7	-3.1	-3.4	-3.2	-4.1	-3.8	-3.7	-3.5	-3.9	2 - 4-
MEAN TEMP	AVERAGE	LL o	30.6	33.5	35.1	34.9	33.9	31.7	30.7	30.2	27.5	26.3	27.3	27.2	26.1	25.7	25.3	25.5	24.9	25.4	26.7	26.9	26.0	25.3	26.5	25.9	26.3	24.6	25.1	25.3	25.7	25.0	24.3
-		DAY	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MAXIMUM TEMPERATURE

GLENVIEWS ILLINDIS

14855 STATION

WHOLE DEGREES FAHRENHEIT

2 4 4 4 4 2 2 2 2 2 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5	400010					200	101	AUG.	SEP.				MONTHS
4444 W W W W W W W W W W W W W W W W W	400000			90	60	92	101	66	65	16	72	55	
+ 4 4 10 10 10 10 10 10 10 10 10 10 10 10 10	00000	56		83	62	46	100			86			
2 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$5.03				8	63	96	101					
* * * * * * * * * * * * * * * * * * *	67 64	34	72	82	50	9.1	76	86	92	78	67	37	86
2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	64		70	7.5	92	06	96	96	84	84	20	62	86
1 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	69		61	74	16	06	36	46	100	83	7.8	27	*6
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		25	99	20	87	16	91	26	88	83	63	99	92
2 4 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	26		99	82	60	16	96	06	16	83	70	59	44
4 2 2 2 2 2 2 2 4 2 2 4 2 4 2 4 2 4 2 4	36		74	82	92	102	96	100	100	88	71	53	102
2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	64	99	99	150	99	96	56	63	96	88	69	* 5	86
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	44		69	08	89	92	101	66	46	77	99	64	101
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	**	94	8	080	65	96	56	16	67	83	69	61	66
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	96	29	70	10	48	63	66	63	26	7.1	09	53	63
8 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	39	53	52	20	683	80	06	6	83	84	2	4	66
0 0 0 0 0 0	19	20	74	75	6	66	92	98	88	72	63	57	66
1226.40	88	25	69	96	62	83	66	76	86	80	89	09	96
0 0 0	34	09	70	74	70	85	91	92	06	80	7.3	49	26
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	42	31	69	67	63	63	80	63	16	48	9	62	66
400	1 5	64	16	09	69	36	86	66	83	88	67	36	86
6.5	29	53	99	69	16	100	66	64	76	7.8	72	64	100
	19	57	53	74	86	96	2.6	56	68	80	7.1	89	16
99	47	96	7.3	74	20	56	96	16	06	60	69	61	98
67	99	47	77	75	46	36	20	06	88	80	80	62	*6
68	51	35	46	080	63	95	36	96	80	84	72	54	96
60	35		72	19	63	46	96	66	20	48	53	46	96
70	51	20	55	68	83	66	56	68	89	16	20	70	66
7.1	43	09	76	80	76	66	91	66	95	87	73	63	66
	20	90	73	77	87	63	20	95	83	74	3	20	26
73	59	53	72	16	09	92	96	44	16	80	70	19	16
7.6	36	57	77	83	87	16	98	06	88	78	76	4.5	98
MEAN													
S. D.													
TOTAL OBS.													

0

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HAXIMUM TEMPERATURE

GLENVIEW, ILLINDIS

14855 STATION

YEARS

WHOLE DEGREES FAHRENHETT

ALL	95	46							7.96	2.575	11630
DEC.	2 50 4 60	80							56.9	965.9	992
NOV.	6 2	3/4							67.6	5.992	930
OCT.	6 8 1	22								4.872	
SEP.	20 20	67							20		
AUG.	99	06							94.2	3.039	992
JUL.	91	16							95.3	3.321	1023
JUN	9 9 9	92							93.5	3.420	990
MAY	6 6	06						4	87.6	4.107	1023
APR.	9.8	30							80.3	4.232	960
MAR.	25	72							68.7	7.	930
FEB.	50	19							53.9	0	876
JAN.	9 6	31							50.05	8.515	992
YEAR	27.	11							MEAN	S. D.	TOTAL OBS.

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MAXIMUM TEMPERATURE

GLENVIEWS ILLINDIS

45-77

MHOLE DEGREES FAMRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	trec.	ALL
4.5			28										MAX TEMP
46			30										MAX TEMP
47		19							103		24	40	MAX TEMP
MEAN													
S. D.													
TOTAL OBS.													

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MINIMUM TEMPERATURE

GLENVIEWS ILLINUIS

14855 STATION

45-77

YEARS

WHOLE DEGREES FAHRENHETT

TEAR MONTH	JAN.	FB.	MAR.	APR.	MAY	, NOT	JUL.	AUG.	SEP.	OCT.	NON	DEC.	MONTHS
43						4		64	74	30	91		
46	*	4		26	37	8	54			33		2	
4.3	1 2					4							
46	10-		2.	27		**			47	21	23	10	10
64	4		12			4.3			35	28	12	20)	*
20	4	100	1,	20	33	4	51	4.00	12	31		12-	12
1	20-	0	12						34	30	-	14-	-02
25	10	7.				94			40	23	12	14	8
23	7								37	33	9	-	0
34	10-	10	10						44	28	21	14	10
\$5	11-	0							42	32		0	11.
20	C					39		51	32	34	12	15	0
57	-11	6	13						39	8	:	en	11.
36	1	8							39	34	•	.6	6
9.6	00	80						56	33	59	~	13	00
00	•	50				20		52	44	27	67	11:	11.
0.1	7.	12	1.9					20	19	3	22	9.	
62	16-	10						55	66	22	25	9.	16-
63	-8-	1	0					64	63	34	52	1	2
50	2	S.	11					64	0,	27	00	1	2
65	10-				33	4		45	41	50	50	=	10
99	17-		8					33	4	30	8	•	17-
67	11.							67	20	28	97	-17	-
99	12-							65	4.3	32	54	6	
6.9	80		11					5.2	4	27	15	1,4	ero.
10	12-	8						5.4	39	31	0	-	12-
7.1	9-	7-						50	04	12	16	=	
72	121							4	36	92	2		15-
7.3	T		54					20	94	36	20		~
74	11-	4						25	33	27	22	න	11.
MEAN													
S. D.													
TOTAL OBS.								17					

NAVWEASERVCOM

22

N

MINIMUM TEMPERATURE (FROM DALLY OBSERVATIONS)

GLENVIEW TLLINGIS

WHOLE DEGREES FAHRENHEIT

ALL	-911	19-							9.6	5.685	11630
DEC.	10-	3.								8.872	266
NOV.	18	×							- 11	100	
OCT.	34	31							29.6		
SEP.	648	25							4.04	3	
AUG.	9 4	25							51.4	3.464	
nor.	20 20 10 40	35					*		52.7	1 1	
JUN.	4 2	45							45.0	3	
WAY	33	36							35.2		
APR.	8 6 7	23							25.7	3.623	
MAR.	15								- 11	7.491	930
FEB.	10-								1.8-	7.439	876
JAN.	2	19-							7.8-	6.759	992
YEAR	K 40	11							MEAN	S. D.	TOTAL OBS.

NAVWEASERVCOM

NO

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MINIMUM TEMPERATURE

GLENVIEW, ILLINUIS

14855 STATION

WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

ALL	MIN TEMP	TEMP	TEMP S								
101	MIN	MIN	MIN								
DEC.			9 0								
NOV			27								
. OCT.											
SEP.			10								
AUG.											
JUL.											
NOT.											
MAY											
APR.											
MAR.	31	19									
E			- 6								
JAN.											
YEAR	64	4	47						MEAN	S. D.	TOTAL OBS.

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NAVWEASERVCOM

0 0 0

N

PSYCHROMETRIC SUMMARY

Temp.						\$	'ET BULE	TEMPER.	ATURE DEP	WET BULB TEMPERATURE DEPRESSION (F))					TOTAL		TOTAL	
(8)	0	1.2	3.4	5 . 6	7 . 8 9	. 10 11	1 . 12 1	3 - 14 1.	5 . 16 17 .	. 12 13 . 14 15 . 16 17 . 18 19 . 20	21 - 22	23 . 24 25	. 26 27	. 28 29 .	30 = 31	D.B./W.B.	. Dry Bulb	Wet Bulb	Dew Point
-							7.									2	2		
-		2.	2.		7.											9	9	7	7
-		2.	.2		• 2											80	00	2	2
-		.2		7.	2.											7	7	80	3
-				-												4	4	3	5
-		2.	.2		~											10	10	9	3
-					1.											9	9	2	3
E4 / 43	.2	•	7.		.2											14	1,4	13	5
-	.3	9.				1										1.8		16	7
40/ 39	.2		s.	5												23		16	13
	9.				• 2											64	64	22	29
	. 7	2.1			.2											69		47	21
						1										83	83	63	22
32/ 31		4.1	2.2													87		90	42
1	1.3			3.												83		100	7.1
	.7	5.9		m.												58		78	7.1
			1.0													19		7.1	81
	1.2															54		75	77
	6.		4.													5.2		09	69
		2.7	00													58		63	7.1
	1.0		3			-										39		94	53
	1.0	2.2	.2													4	4 1	84	52
L					-											67		47	43
12/ 11		2.9														50		53	45
																4.3		20	4.4
8		2.4				-										45		04	56
-	1.															36		39	38
4/ 3	9.	2.2														36		41	37
2/ 1	9.		.2													36		34	34
-	1.1		7.													22		30	37
2/- 3	9.															25	22	52	22
4 /- 5	9.															01		15	35
61- 3	9.															8	8	•	33
8/- 9	4.															3	2	•	21
Element (X)		ΣX^2			Σx		×	σ×	No.	, Obs.			2	Mean No. o	of Hours w	with Temperature	- 1	-	
Rel. Hum.											\$ 0 F	2 32		₹ 67 F	273 F	₹ 80 F	284		Total
Dry Bulb																		-	
Wet Bulb																			

0 0 0 0 0 0

GLENVIEW, ILLINDIS

14855 STATION

-			14
5 5	PSYCHROMETRIC	SUMMA	JAN
-			

14833	2 >	CELL LES	2	111	SIDALINI SID					73-77							7	MAC	
STATION					STATION NAME	JAK.							YEARS					HONTH	
																	PAGE Z	RS CL.S.T	2
Temo.							WET B	ULB TEMPE	RATURE	WET BULB TEMPERATURE DEPRESSION (F)	(F)				TOTA	-	TOTAL	_	
(F)	0	1.2	3.4	5.6	7 . 8		1.11	2 13 - 14	15 - 16	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30	20 21 - 22 2	3 . 24 25 . 2	6 27 . 28 2		231 D.B./W	D.B./W.B. Dry Bulb Wet Bulb Dew Point	lb Wet Bu	Ib Dew	v Point
12/-11	9.0															7 6	7.6	-6	6.5
17																		4	15
20/-21																	63		3 3
-22/-23																			m in
28/-27																		-	m in
30/-31		23.255.716.2	16.2	3.4	1.5		.:									1240	0		1237
Element (X)		2x2			NX X	1	l×	g _x		No. Obs.			Mean N	lo. of Hour	Mean No. of Hours with Temperature	erature			
Rel. Hum.		726	7267430		6306	1	75.3	14.54	7	1237	2 0 F	≥ 32 F	2.67 F	≥73 F	F 280 F	_	≥ 93 F	Total	_
Dry Bulb		63	838201		27263		22.0	13.882	32	1240	50.4	4 564.6						744.0	0
Wet Bulb		72	1506		2532		20.5	13.0	2.4	1237	59.							744	0.
Dew Point		26	568522		18630		15.1	15.263	53	1237	141.9	9 675.4			-	-	1	744.0	0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION				STATION									× 4 4 4 4						
				•													•		
																	a	PAGE A	L.S.T.)
Temp.						-	WET BULE	TEMPER	WET BULB TEMPERATURE DEPRESSION (F)	ESSION (F)					-	OTAL		TOTAL	
(F)	0	1.2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12 1	3 - 14 1	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	18 19 - 20	21 - 22 23	. 24 25 .	26 27 . 28	29 - 30	231 D.	D.B./W.B.	Dry Bulb	Wet Bulb Dew Poir	Dew
72/ 71										•						1			
59 /99								2								-	3		
9/													-			2	2		
-				-			.2									•	•		
66 /09				~		.2		. 1								9	9		
5 /			7.				.2								_	3	4		
5/				7.	*	.2	.1								-	0	10	3	
2			.2	.2												9	0	4	
52/ 51		• 2			.2	-									-	4	1	00	
5 /	7.	-	-	60	4.								_			17	17	10	
-	4.		*		.5	.2										24	54	14	
46/ 45			0	1.0	4.											30	30	18	
-	• 7		1.		4.	1.	1.									31	31	20	
-		.3	1.2	0.	-		-:									31	31	27	-
40/ 30	• 5	1.3	1.5	1.3	.2	-									-	25	55	34	
	8.	1.5	1.3	1.2	.3											60	28	48	
36/ 35	1.2		3.5	1.2												35	26	70	
	1.2	4.3	5.4	6.												86	98	82	
32/ 31	1.3	3.0														96	96	124	76
	6.	4.3	2.1													(A)	3	105	
28/ 27	9.	3.4	1.9	.2												03	68	88	
	9.	2.3	1.5													53	53	73	
	4.	3.5	1.1					-				-				99	96	32	
	4.	3.4	1.2													96	96	57	
50/ 19	1.		4.													56	56	24	
	• 2	2.5	.3													33	33	92	
	.1	2.3	.3												-	30	30	37	
		1.0														54	54	30	
12/ 11	.2															56	58	35	
		1.8	.1									-				27	27	30	
8/ 7	9.	1.1														01	16	22	
-	00	*										_			-	15	13	17	
6/ 3	.3	*														00	œ	0	
,		1000													_	10	10	6	
Element (X)		ΣX^2			××		×	σ×	No.	No. Obs.			Mean No.	No. of Hours	with	Temperature	re		
Rel. Hum.											4 0 £	≤ 32 F	₹ 67	F	≥73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb						_													
Wet Bulb						_									-				
	-	-	-	-	The second name of the second	-	-	-	-			The state of the s	-		The second secon				

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PSYCHROMETRIC SUMMARY

FEB

YEARS

73-77

GLENVIEW, ILLINDIS

14855 STATION

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	Dew Poin	16	*	7	9	ा	2	0 -	4 6	9 6	2	1128												Total	672.0	673.0
TOTAL	Wet Bulb	7	8	2	-	-							1128												5	_
	Dry Bulb	2	6	2	-	1						1128											re	≥ 93 F		
TOTAL	D.B./W.B. Dry Bulb Wet Bulb Dew Point	3	6	N	-1	-							1128										Mean No. of Hours with Temperature	≥80 F		
	= 31 C								1														ours with	≥73 F		
	29 - 30																						No. of H	A1	9.	
	5 27 . 28																						Mean			
	24 25 - 20																							≤ 32 F	389.0	4 067
	12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30														-											121
ON (F)	19 . 20 21																							100	80	•
BULB TEMPERATURE DEPRESSION (F)	17 - 18																						No. Obs.	1128	1128	000
ERATURE	15 . 16											•												22	03	70
ULB TEMP	2 13 - 14								1			4											σ×	14.722	12.503	1000
WET B	1 - 11 01 -								-			1 .7			-					-			ı×	72.8	29.4	34.0
	. 8 9						1		+		+	3.0 1.1		-	+									82096	33148	30276
	5.6 7								1		-	-			1	+			+	1			×××	82	33	2
	3 - 4 5						1		+		+	510								+				36	906	707
	1 - 2			7.					1			8.124								1			Σx^2	6219236	1150306	1
	0	· ·	.3			•1						12.048.124.510.1														
Temp.	(F)	0/- 1	2/- 3	-/	1 -19		7	12/-13	•	18/-10	.20/-21	_											Element (X)	Rel. Hum.	Dry Bulb	11.00

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5 PSYCHROMETRIC SUMMA JAN 68

				STATION N	STATION NAME	31							YEARS			1	MONTH	TH
																a	PAGE 1	
																	HOURS (L.S.T.)	(1.5.1.)
Temp.							WET BUL	B TEMPE	ATURE L	WET BULB TEMPERATURE DEPRESSION (F)				-	TOTAL		TOTAL	
£	0	1.2	3.4	5.6	7.8	9 - 10	11 - 12 13	13 - 14	15 - 16 1	. 14 15 . 16 17 . 18 19 . 20 21	. 22	23 - 24 25 - :	26 27 - 28 29	2 30 231	D.B./W.B.	Dry Bulb	Wet Bulb Dew Point	Dew
78/ 77								•										
									1	7.					v	2		
74/ 73							2.								N	2		
_						-	7.	2							\$	0		
_						.2		٠.							(4)	133		
68/ 67				-	-			. 1	•	•	0				æ	30		
L				-		15		-	-	1					-	1.2		
_		-		7	1 (1				40	• -					1 2	26	•	
-						2	3.		9 -	4					-	-	a ca	
_		-	•					1 11	*						36	24		
					3.	•			-	-			+	1	23	250	2	
100	•					•									0 0	000	700	
	3.	2.		•	*	•	2.	1		+					57	4.7	2	1
	.2	•	4.	•	:	*	.2	•							20	50	58	_
	. 2	4.	4.	9.	.5		7.	• 1							34	34	27	
	.3	4.		8	9.	٠,									42	42	37	
48/ 47	.2	1.0	1.0	1.2	6.	.2									26	26	31	
*	23				6.										99	99	65	•
64 / 43	0		1.3	1.5	9.	4.									63	63	63	35
	6.				· S										82	82	64	7
		1.5	2.6	1.1	'n	.2									60	83	77	4
1	1.1		1.6												100	100	66	
36/35	1.5	3.0	5.0												105	105	120	89
	0		1.6	9					1	1				-	107	101	100	-
32/ 31	7	2 4	, ,												-		200	3
			3	20.4					1	+			+		3	14	0.1	
200		, ,													7 7	1		0 0 0
		•								1					30	*	2	
26/ 25			•												90	30	69	82
~			4.	.2											54	54	36	•
-	7.	00	.3												15	15	56	50
-		•	2.												13	13	20	•
-		6.													.3	13	6	-
16/ 15															12	12	13	35
L															4	3	13	2
12/ 11															-	-	*	
Element (X)		2x2			Z×	_	×	σ×		No. Obs.			Mean No	Mean No. of Hours with Temperature	ith Tempera	ture		
Rel. Hum.											≥ 0 F	≤ 32 F	≥ 67 F	≥73 F	≥ 80 ₽	≥ 93 F		Total
Dry Bulb						-												
Wet Bulb						-			-									
Daw Baint						-			-		-	-	-	-	-	-	-	

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15648 - 7605 815H

STATION STATION STATION NAME		Temp.	(F) 0 1.2		, 4 v v	2/ 1		07AL 13.130.226.2	Element (X) $\Sigma \chi^2$			
			3 . 4					250.2		6847404	14457	
11.11			5 . 6					6.	1	8	7	
TION NAME			7 . 8 9					4 0.2	××	89422	4272	
		WEI	11 01 -					1	i×	72.1	20.7	
		BULB TE	12 13 -					·	+	-	-	
		MPERATUR	14 15 - 16					\$	σ×	7.940	1 502	27.3
		WET BULB TEMPERATURE DEPRESSION (F)	17 - 18 1					4.	No. Obs.	1240	1360	1 7 7
		ON (F)	9 - 20 21					2.	+	6		
			. 22 23							1 0 F		
			9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27							± 32 F	106.2	
YEARS			6 27 . 28 29						Mean N	≥ 67 F	3.2	
			. 30						o. of Hou	≥73 F	-	_
		TOTA	231 D.B./W.B.					1540	Mean No. of Hours with Temperature	F 280 F	3.0	,
		1	.B. Dry Bulb	2 2 2				1540	erature		-	-
	PAGE 2 HOURS (L.S.T.)	TOTAL		7 2	-			1540		≥ 93 F		-
MONTH	2 \$ (1.5.T.)		Wet Bulb Dew Point	15	In 30	200	-	1540		Total	744	-

0

0 0 0 0

0 0

0

0 0 0

PSYCHROMETRIC SUMMARY

STATION	2 2			STATION N	STATION NA	NAME			-					YEARS					•	MONTH
																			PAGE	-
																			HOURS	HOURS (L.S.T.)
Temp.							WET BU	LB TEMPE	RATURE	WET BULB TEMPERATURE DEPRESSION (F)	ON (F)						TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 . 12		15 - 16	13 - 14 15 - 16 17 - 18 19	- 20	21 - 22 2	23 - 24 2:	25 . 26 27	. 28 29	. 30 ≥ 3	31 D.B./W.B.	B. Dry Bulb	Wet Bulb	Dew Poir
98 /9											• 1	. 1					_			
4/ 83									-	.2		~	4	~			-	2 12		
2/ 81								-	• 2	-		.2	~					6		
-										•	• 2	.2					-	0 10		
-						٠.		.2	4	evi								1		
-					-		.2	4.	4.								_	5 15		
1 13						.3	.2		.2	1	. 2					-				
72/ 71				2		.2	. 2	. 2									-			
-		-	2.	4.			.3				.2					-	2	2		
-		67	m	. 7		4.		2.									3		80	•
59 /99		s.	.3	.3		1.										-	35			
-	~	0	. 2	~		.3		.2											47	17
62/ 61	-	-	1.0			4.	.3	9.	.2								7			
-		9.		4.		.2	4.	~	. 2								m		46	
58/ 57	:	·.	2.	9.	1.	9.		49.									*			_
_	.2		'n	.2	9.	4.	.7	4.	•								4			
	.2		4.	1.	. 8	5.	.3									-	4			
			1.2	00	1.1	-	4.	•									63			
	4.		1.3	1.2	9.	8.	.3										9			
	4.	.7	1.2	.7			.1										67			
	_		1.1	2.1	1.0	0.	• 1										20			
		-	5.3	1.1	1.2												7	74	89	55
	_	1.2	1.7	1.4	9.		• 1										9			
		1.1	2.2	00	• 2	. 1											57			
		1.5	1.5	1.0	• 2												30			
-	00	1.6	2.3	1:1													70			
-	4.	-	1.4		•												9		_	
-		1.9	1.4	. 2													52	52		10
-	4.	7 . 7	4.	.2													21			80
-		2.	.2																	9
-	-	.3	7.																	9
67 14		.2	.2														_	5	•	61
-		7.																1	4	3
61 /0																		7	2	2
Element (X)		Σ_{X^2}			Σx		×	$\sigma_{\mathbf{x}}$		No. Obs.	,				Mean No.	of Hours	with Temperature	rature		
Rel. Hum.												± 0 F	≥ 32	2 F	≥ 67 F	≥73	F ≥80	F ≥93	F	Total
Dry Bulb																				
Wet Bulk											-									
200																				

0 0 0 0 0 0 0 0 0 0 0 0

NAVWEASERVCOM

9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30	WET BULB TEMPERATURE DEPRESSION (F)	9 -
.6 .7 .2	1.2	5.7 3.8 3.2
Mean No. of Hours with Temperature	No. Obs.	×
20F 532F 267F	1200	20.117
58.2 9	1200	3.456
118.2	1200	669.0
	1200	11.670

0 0 0 0 0 0 0 0 0 0 0

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NAVWEASERVCOM

14855 STATION

МАМ

73-77

GLENVIEW, ILLINDIS

90	1	-	0	1	
505	PSYCHROMETE	RIC	SUMMA	JAN	

							WEI BUL	WET BULB TEMPERATURE DEPRESSION (F)	AIURE D	FPRESSIC	(L) N						TOTAL	_	TOTAL	
(F)	0	1.2	3.4	5.6	7 . 8	9 . 10	11 - 12	13 - 14	13 - 14 15 - 16 17 - 18 19 - 20	. 18 19		21 - 22 23	- 24 25	. 26 27	- 28 29	. 30	31 D.B./W.B.	B. Dry Bulb	b Wet Bulb	Dew Point
-		1	1								+								+	
68 /06										• 1	-							6	0	
-									• 2		4.	2	.1	7.			-	-	.0	
-								• 1	2		• 5								7	
-						•		.2	2.	3	-	.2					-	2 12	2	
-						-	6.	4	.2	.2	.1						-	7	~	
-						.2	.2	4		.2	.1						7		•	
-				.2	•	.3	9.	.2	.2	2.	•	2.					7	2	•	
-				.2		4.	.2	4.	.2			-		-			24	2		
-				.2	4.	9.		·	9	2	~						*			
-			.2		•2		.7	.5	• 2					-	-	-	3			-
69 /0/		2.	0	1.2													64	64		(2)
	-						.2	*	en-	ev.					-	-	9			0
66/ 65					6.		9.		·	.2							57	7 57	1 64	22
	6.	•				6.	.2	4.	~	evi •	-		-	-	-	-	25			44
_		4.	6.	6.	1.0	1.1		17)	N								7			57
	1.3				6.		4.	4.									87	7 87	69	67
		7.4			6.	9.				_							8			51
	1.3	1.5	1.2		1.1	9.	4.										89	68 6		9
				1.0	1.3	.2	.2				-						63			74
		6.	1.9	1.9	1.0		-:										6			87
_	1.2	1.5	1.8	1.3	4.	.2	-										81			
	9.	3.			1.0	.2										-	1	_	-	
-	~	1.0		1.3		~											09	09 0		80
-	-:	9.	1.2	.3	7.									-		-	3	2 32	-	
	*			4.	7.					-						_	2			70
L		1.0		-											-		53			8
-	7	•	4.														-	_	34	7.5
		4.													-					50
34/ 33		-:																2	8	55
-													-			-			*	42
28/ 27																				16
7																				6
Element (X)		Σ_{X^2}			Z,X	-	×	σ×		No. Obs.				4	Aean No.	of Hours	Mean No. of Hours with Temperature	erature		
Rel. Hum.												± 0 F	± 32		≥ 67 F	≥73	F ≥80	۸۱	93 F	Total
Dry Bulb																				
Wet Bulb																				
0									-		-	-		-			-	-		

NAVWEASERVCOM

12548 - 7605 81541

1 4855 STATION

5:5 PSYCHROMETRIC SUMMA JAN 68

2 URS (L.S.T.)	Dry Bulb Wet Bulb Dew Point	4111-	1540		Total	744.0	744.0	
PAGE 2 HOURS (LS.T.)	TOTAL Wet Bulb		1540		-	-	-	
	Dry Bulb		0 1540	e	≥93 F	L	-	
	TOTAL D.B./w.B.		0521	Mean No. of Hours with Temperature	≥ 80 F	37.2		
	183			w sino	≥73 F	100.8		
	3 29 - 30			0 O O O	-	+	+	
	26 27 - 28			Wear	2 67 F	190.2	-	_
	24 25		7.		≥ 32 F		7 6	. 7
	. 22 23 .		· · · · · · · · · · · · · · · · · · ·		2 0 F			
	ON (F)		<u>:</u>		-	-	-	
	WET BULB TEMPERATURE DEPRESSION (F)		5.4 1	o o o	1240	1240	1366	1 7 7
	ERATURE 15 . 16		#• m		4	31	13	7
	ULB TEMP			σ×	19.914	11.491	O X	•
	WET BULB TEMPERATURE DEPRESSION (F) 11 12 3 14 5 16 7 18 9 20 21 22 23 24 25 26 27 28 29 30			ı×	68.2	58.9	F 2 . G	
	7.8 9.		0.6		-	-		
	0			N X	8451	73(650	-
	3.4 5		9.515.419.016.411.2		973	251	582	
	1.2			2 X 2	6251973	4462	3514	
	0		6.5					
	Temp.	24/ 23 22/ 21 20/ 19 17	TAL	Element (X)	Rel. Hum.	Dry Bulb	11.0	Wet build

NONTH

YEARS

73-77

5 PSYCHROMETRIC SUMMA JAN 68

	lb Dew Point									10		5	-	09				8 65			110		7	_		2		. 22	-	-0 1		1200	-		Total	730.0
TOTAL	Wet Bulb									21	12	30	78	81	114	105	125	128	114	106	6	78	68	34	13	9	0	7					1200			4
	Dry Bulb	0		2 0	200		29	53	50	62	74	84	95	16	19	95	80	80	69	5.5	46	26	30	0	4	•	2					1200		ore	2 93	
TOTAL	D.B./W.B.			6 4	63	-	53	8	50	62	74	78	98	91	79	60	80	08	69	53	46	56	30	0	4	3	2						1200	of Hours with Temperature	≥ 80 F	113
	30 = 31																																	Hours wit	≥73 F	261.6
	. 28 29 .	-					1	_																							-		-	Mean No. of		2
	- 26 27		*		-	_	-	_																							+	2		ž	4	1
	. 24 25		1	y :	7.	7.	1																						-		+	'n		1	≥ 32	
	. 22 23					2.	-																								+	8		1	4 0 F	
ON (F)	9 - 20 21	c	0.	- r	0 0	9 .	4	9.		-		-																				4.		+		
WET BULB TEMPERATURE DEPRESSION (F)	12 13 - 14 15 - 16 17 - 18 19 - 20			* "		0	•		1.0	en en	.3	4.	•																		+	4.8 2		No. Obs.	1200	1200
ERATURE	15 - 16	•				•	•		4.	ः।	•	•	• 5		. 2							,										4.7		1	0	-
LB TEMPE	13 - 14				3.	•	•	•	c.	. 7	1.1	•	.3				• 2															0.9		٩	9.240	9.641
WET BU	=			4			•	1:1	.5	.2	.7		1.3	-	.3				•	. 2												8.5		l×	67.8	1.69
	9 - 10		-		•		•	9.	•		•		1	1.2	6.	•		~	•		•											9.8		-	1	1
	6 7.8		-		-	:		• 5	9.	_	~	•	6.	1.2		-			9.	2 .7	.2	•	• 1	• 1								11.7		×××	81319	82909
	4 5 6		+		+		-		•				4	6.		9 1 9	-	œ !	5		9	7 .2	7	1 . 1	2						-	714.2		-	0	0
	2 3.		+		+		+			•	•	2 1.	3 1.	3 1.	3 1.	•	• 4 1.	-	5 1.	:	3 1.		•		•	2			1		-	316.			5954515	5839699
	1.		+		+	_	+	_					.2 1.	.2 1.	.8	.5 1.	-	-	• •		.3 1.	• *	. 7.	• 1	•	•	•				-	.214.		2x2	29	58
	0	63	10		2	0 0	0	0	0	77				69		65	-	0				23			47	in.	3		6	- ur	2 60	in		(X		
Temp.	(F)	6 /46						82/ 0			16/ 7			10/ 6		9 /99							52/ 5			1		45/ 4		38/3		TAL		Element (X)	Rel. Hum.	Dry Bulb

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GLENVIEW, ILLINDIS

STATION	STATION N.			STATE	STATION NAME										YEARS					1	HONTH
																				PAGE 1	(4.5.7.)
Temp.						-	WET BU	LB TEMP	RATURE	DEPRES	WET BULB TEMPERATURE DEPRESSION (F)							TOTAL		TOTAL	
(E)	0	2 3.	4 5.	6 7	6 8 .	- 10	11 . 12	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19	15 - 16	17 - 18	19 - 20	21 - 22	23 .	24 25 - 26 27		28 29 - 30	531	D.B./W.B.	. Dry Bulb	-	Wet Bulb Dew Point
				-							-	7.	.2					7	4		
									•	2.	9.	2.						14			
66 / 55								7.	.2		9.	.2						21	2		
					-					*	•			•				16			
				-				0	1.	9.	• 2	.2	-					31			
						.2	4	1.2	1.0	1.0								52			
			-	+	-	9.												52			
			•	-	5	4	7.	1.1		4								46			
82/81		-	+	2	0	-	1.1		1.0	650								7.8	78		
62 /08		_	2 1.	-	0	4.	1.0	4.	9.	~	.2							87		3	
			-	2	0	0.	1.2	1.	1.	2.	• 2							115	-	2	
76/ 75		4 1.	0 1.	8	-	1.3	1.3	0.		•								112			123
1		8 2.	-		3.	1.5	9.	0	*									118	-		6
721 71	-	4 2.	3 2.2	_	9.				.2	•								122		139	5.5
	-	2.	7	-	1.4	6.	.2	•	•									103	-	181	=
58/ 67	.2 1.2	-	7 1.	1 9	0													76	76	150	
59 /95	1	-	6	2	1.	-1												59		147	13
		in	-	7	3	~												75	**	129	-
19 /29	.2 1.	N	4 1.	0	-:													4.7		66	108
	.3	in	9	m	-:													23	23	101	144
	• 1	2		-	-															5.	88
	.2	N	•															1	7	32	74
	•	-		-														200	1	10	30
			_																	-	3
																					27
													1								14
48/ 45																					
14																					
12			-																		2
66 /05		4																			
38/ 37 07AL	2.5 8	9	5.616.41	4 1 4	4.2	6.6	9.6		6.9	iu iu	2.6	00	~	.2					1240		1240
			-															1540		1240	
Element (X)	2x2	2	-	N X		-	i×	g x	1	No. Obs.	bs.				Mean No.	No. of	Hours w	of Hours with Temperature	ature		
Rel. Hum.	58	1839	6	82	82215	99	66.3	17.218	8	12	04	2 0 F	-	≥ 32 F	2 67 F	-	≥73 F	≥ 80 F	-	u	Total
Dry Bulb	70	7093292	2	63	198	75	75.2	8.454	34	1240	04				628.2	+	447.6	216.0	0 23.4		744.0
-	22		-	10 10	-	7.7	-	-	-		-	-	-	-		+	-	-	-	-	1
Wet Bulb	00	2303	*	20	001	0	.00	0.043	2	12	0				396.4	-	110.4				0.44

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STOS PSYCHROMETRIC SUMMA JAN 68

9	0	BINE

							_
			0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231				
			30				
			29 -				
			28				
	YEARS		27 .				
	¥	1	26				
			25 -				
			24				155
			23 -				
			22				
			21 -			•	
		E	20		NN	~	(
7		o N	19 -	•		•	
73-77		WET BULB TEMPERATURE DEPRESSION (F)	18	~	EVI	N	
-	I	DEP	17.			•	
	1	URE	16		NN	200	
		RAT	15.	•	•	•	
		WPE	14		2	00	100
		18.	13			•	
		BUI	12		~		
		WET	=				
			10			N	
	=		6				
w	STATION NAME		00				
9	TATIO		1				
=	8		9				
=			5				
			4				
3			6				
1			2				
Z			-				
GLENVIEW, ILLINDIS							
-		1	0				

PSYCHROMETRIC SUMMARY

PAGE 1 HOURS (L.S.T.)

AUG

96 / 95 1	Temp.							WET B	ULB TEMP	FRATUR	WET BULB TEMPERATURE DEPRESSION (F)	SION (F)							TOTAL		TOTAL	
99	(F)	0			5.	7.	-	11 - 11	2 13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2.	- 24	15 - 26	27 - 28 2	29 - 30		D.B./W.B.		Wet Bulk	Dew Poin
95 97 97 97 97 97 97 97 97 97 97 97 97 97	-																		1	1		
93 93 94 94 95 95 95 95 95 95	-										•								33			
85	-									. 2									7	4		
85									•	. 2	•								11	11		
85	-										•	.2	-						21	21		
85	-								-										28	28		
83	-								•		•								23	23		
1	-						_		-										51	31		
77	-			.1		•		-			•								52	52		
77	-			ε.	-	5	_		•	. 7	•		-						101	101		
75	-				-	1.4	1.0	_	-4										68	89	0	
73	-			2.4	-	-	1.7		•										113			
71 . 2 2. 2 2. 0 2. 2 1. 4 1. 2 . 6 . 3	-		1.0	2.0	+	1.5	1.5			•									110		_	
69	-		2.2	2.0															125			
65 .2 1.5 2.2 1.5 .9 .6 .2 .1	-			2.7	-	-	_												123	_		
65 . 2 1. 6 2. 0 2. 0 . 6 . 5 . 1 63 . 6 2. 3 1. 9 . 6 . 5 . 2 64 . 6 . 7 . 5 . 1 55 . 1 . 7 1. 0 . 3 65 . 1 . 7 1. 0 . 3 65 . 2 . 3 65 . 2 . 3 66 . 2 . 3 67 . 1 . 7 1. 1 . 3 . 1 67 . 1 . 7 1. 1 . 3 . 1 68 . 2 . 3 69 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 2 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 . 3 . 3 . 3 . 3 . 3 60 .		.5	1.5	2.2	-	•													91			
6 2 . 3 1 . 9 . 6 . 5 . 2		• 5	1.0	2.0	2.0	•													37	87		
59		••			••	•													11	77		
59					9.	•													64	67	13	100
55 -2 -3			9.			•													28	28	11	
55 5 . 7					. 3														56	26	3	
53 .2 .3 7 7 28 44 44 3.5 1.2 4.1 1.7 1.0 .2 1240 1240 1240 1240 1240 1240 1240 124																			1.5	15	9	_
47 47 47 47 48 49 47 41 3.5[4.9]9.7[4.5[3.5]]1.1 8.5 7.2 4.1 1.7 1.0 .2 41 41 3.5[4.9]9.7[4.5[3.5]]1.1 8.5 7.2 4.1 1.7 1.0 .2 42 43 41 3.5[4.9]9.7[4.5[3.5]]1.1 8.5 7.2 4.1 1.7 1.0 .2 41 41 42 41 42 41 42 42 43 41 42 42 43 43 43 43 43 43 43 43 43 43 44 43 44 44	_		•																1	1		
49 47 48 49 49 40 40 40 40 40 40 40 40 40 40 40 40 40	-																					51
43 3.5 [4.9] 9.7 [4.5] 3.5 [1.1] 8.5 7.2 4.1 [1.7] 1.0 .2 [1240] 1240 [1240] 1																						94
45 41 3.514.919.714.513.511.1 8.5 7.2 4.1 1.7 1.0 .2 (X) \(\frac{2}{2}\frac{2}{2}\frac{7}{2}																	•					13
43 41 3.514.919.714.513.511.1 8.5 7.2 4.1 1.7 1.0 .2 (x) \(\infty\) \(\infty	-																					11
41 3.5 4.9 9.7 4.5 3.5 1.2 4.1 1.7 1.0 .2 1240 12	44/ 43																					2
2x² 2x² x x σx No. Obs. Mean No. of Hours with Temperature 6651264 88498 71.4 16.448 1240 sof z32 f z67 f z73 f z80 f z93 f 6619799 90051 72.6 8.042 1240 sof 570.6 364.2 147.6 4.8 5401872 81528 65.7 5.790 1240 343.2 94.8 1.2 4511945 76805 61.9 6.643 1240 215.4 37.8	42/ 41 0TAL	3.5	6.4	19.7	4.5	.6		80			•									1240		1240
Σχ² Σχ X σχ No. Obs. Mean No. of Hours with Temperature 6651264 88498 71.4 16.448 1240 zor																			1240		1240	
6651264 88498 71.4 16.448 1240 sor	Element (X)		2X2			XX		×	×p		No. O	35				Mean N	lo. of H	ours wit	h Tempera	ature		
6619799 90051 72.6 8.042 1240 570.6 364.2 147.6 4.8 5401872 81528 65.7 5.790 1240 343.2 94.8 1.2 4811945 76805 61.9 6.643 1240 215.4 37.8	Rel. Hum.		665	1264		8849		1.4	16.4	48	124	0 0	≥ 0 F	VI		≥ 67 F	-	73 F	≥ 80 F	-		Total
5401872 81528 65.7 5.790 1240 343.2 94.6 1.2 4811945 76805 61.9 6.643 1240 215.4 37.8	Dry Bulb		199	6616		9006		5.6	8.0	24	124	0,				570.	m	4.2	147.6	*		744.0
4811945 76805 61.9 6.643 1240 215.4 37.8	Wet Bulb		240	1872		8152		2.1	5.1	06	124	0				343.	-	9.4	1.2	~		144.0
	Dew Point		481	1945		7680	T	1.0	9.9	43	124	0				215.	-	8.				744.0

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5 5 PSYCHROMETRIC SUMMA JAN 68

Temp.							WET BU	LB TEMPE	RATURE	WET BULB TEMPERATURE DEPRESSION (F)	(F) NC						TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	11 - 12 13 - 14 15 - 16	15 . 16	17 . 18 19	9 - 20 21	1 - 22 23	- 24 25	. 26 27 .	28 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68 /06							-	.1	•	.2							15	5		
							.2	٠,		.2							00	89		
86/85					-			.2		• 1							\$	9		
						-	.2	2.	4.	.2	.2					-	16	16		
82/ 81					4.	.2	.2	.3	N								21	21		
-				.2			.2		9.	.2	7.						32	32		
_					9.	.2	.2	3.	2.	2							28	28	4	
76/ 75			9.	m	4.	5	1.1		*	.2							51	51	4	
		4.			2.	.5	5.	9.						-			44	77		
	-	.1		.0	.7	1.2											50	59		8
L	•	1.	L	0.	1.2	1.0	-	•	8								81	81		
68/ 67	-		1.2	1.0	1.1	1.3	1.0	4.	*						-		89	98	43	36
66/ 65	4.	1.6	1.3		1.2	.7	-	. 3	•						-		93	63	67	3
-		3.6	1.7	1.7		1.7		. 2									128	_	0	62
	-	2.2	-	1.1	1.3	0.		7.									63		11	9
66 /09		1.9	-	2.2	1:1		.2	•									94			7.1
	-	1.8	1	2.2	6.	.2	.2	•									00	88	-	
	.2	1.2	2.6	1.6	.7	s.	.2										82			
541 53	4.	1:1	1.7	00	.5	.2											57		-	76
52/ 51	4.	1.5		.3	.2												39			
-	-	1:1		1.	• 2												35	35	_	103
		.7	9.	.2													20			
46/ 45	•	*.		.2									-				11	11		-
64 / 43	•	. 2	4	•													10	10	20	
L																	3		L	
40/ 39			. 2														8	100		31
L									-								1	-		-
36/ 35																	-	7	6	22
-			7.														2	2		1.4
32/ 31																			2	
30/ 29																				90
DTAL	3.0	3.019.2	9.3	-	7.512.8	0.3	7.2	5.3	3.	.3	6.	-		-	-	-		1200		1200
	,																1200	-	1200	-
Element (X)		2x2			Z×		l×	O'X		No. Obs.				¥	Mean No. o	f Hours w	of Hours with Temperature	ature		
Rel. Hum.		626788	7883		84225		70.2	17.239	6	1200	0	20F	≥ 32	4	₹ 79 £	≥73 F		≥ 93	F	Total
Dry Bulb		865	4969683		76557		63.8	9.382	2	120	0			N	564.0	126.6	45.6	9		720.0
Wet Bulb		707	4041367		65069	T	K. J. K.	7 6.2		100			-	0	0.00					130
			400		2000	_	0.	76001	7	777	-		7.7		2000	79.67				200

14855 STATION

GLENVIEW, ILLINDIS

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STATION				STATION NAME	STATION N.	377							•	YEARS					HONTH
																		Q	PAGE A
Temp.							WET BU	B TEMPE	RATURE L	WET BULB TEMPERATURE DEFRESSION (F)	ON (F)					TOTAL	AL AL		TOTAL
(F)	0	1 . 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16 1	17 - 18 1	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 3	. 22 23 . 24	. 24 25 . 26 27	. 28	29 - 30 =	31	W.B. Dry	Dry Bulb W	Wet Bulb Dew Poir
00	1										.1						-	7	
00	15										•1							-	
8																	-	-	
82/81	1																3	m	
-	-								ev.								4	4	
78/ 77	_				.2	. 2	-	.2		-							0	0	
-				-		. 2	9.			-							1	17	
741 73						*	2.	2.	.2								13	13	
			1.	-	.3		9.		• 2	c						-	-	31	7
10/ 69	-	.2	.2	2	.2	.7	4.	.2	.2		-						31	31	6
		5.	.2	.5	.5		.5	4.	.2									40	12
66/ 65		1.0	9.	•	1.0	9.		~	•									90	21
	3	-		1.			6.	4.	.2	•								73	45
	9.		5	1.0	6.	9.	9.	7.	1									89	52
66 / 09	-	•				1	4.									-	56	99	29
58/ 57	.5	-	9.	1.1			9.									-		19	19
	•	•	1.1	1.5	1.0	-	30.											75	69
54/ 53	3 .2		1.0	-	•	. 7	۳.										65	66	7.1
52/ 5	•	2.	2.0	1.1	-;	.3											-	16	89
	6.		2.7	1.6	•											1(107 1		66
4	-	5	1.7	2.0	•	• 2										1(_		112
	6.	2.3	1.8	1.5	9.													16	110
	-	-	1.5	•	.2												14	_	121
42/ 41		-	1.5	•	.2														100
	9.	9.	1:1	•	-											.,		-	69
38/ 37	•	-	9.													,	33	33	51
36/ 3	•		9.															23	42
34/ 33	3	• 2	.2															7	54
32/ 31	•	• 2															9	9	16
30/ 5	•	• 3															9	9	•
7		-													-		1	-	•
7 /	2	:															_	-	~
-	-	• 1															1	-	-
22/ 21																			
Element (X)	ΣX^2			Σ×		×	σ×		No. Obs.				Mean N	o. of Hou	Mean No. of Hours with Temperature	perature		
Rel. Hum.											VI	0 F	≤ 32 F	₹ 67 F	≥73 F		≥ 80 F	≥ 93 F	Total
Dry Bulb																			
Wet Bulb																			

55 PSYCHROMETRIC SUMMA JAN 68

WEI BULB TEMPERATURE DEPRESSION (F)
2
11.022.5220.116.310.5 11.022.5220.116.310.5 12.x ²

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	L.S.T.)		Dew Point		
Ties and	HOURS (OTAL	at Bulb		

AL	Wet Bulb Dew Poir						2	S	30 3		24 42							_		67 54		75 53			100 60		47 94			26 52		_	5 20				Total	
- +	-	7	2	9	4	9			_		29 2			L		51 3					84 6			-	55 10	-				14 2		-	4	2	9		≥ 93 F	The same of the sa
	3. Dry Bulb																																			rature		
TOTAL	D.B./W.E	-	3	9	4	9	14		23	40	29	57	4.0	30	34	51	57	48	83	6.1	20	7.7	84	34	55		28	32	20	14	14	3	4	200	3	Mean No. of Hours with Temperature	≥80 F	
1	2 31																																			fours wi	≥73 F	
- 1	29 - 30																																			No. of P	4	
	27 - 28																																			Mean	₹ 67	
	25 - 26																																				32 F	
	23 - 24																																				VI	
	21 - 22 ;																																				≥ 0 F	
ON (F)	9 - 20 2																																					
WET BULB TEMPERATURE DEPRESSION (F)	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20	-																																		No. Obs.		
TURE D	1 91 - 1					-	1	-		+	•			-																								
TEMPER/	- 14 15		7.			-:		7.	~			٠.										-														σ×		
T BULB	. 12 13						_	.2		2		2.	10		2.	2.		-				-				-												
W	10 11		. 2	.2		7.	2	-2		.3	2.	5	in	10	2.	2	4.	2	.1	7.		-				+										×		
	8			.2	2				1.			1		2	3	3	m	2		1	4.		.2	1.		-												
	- 6 7					2.	4		4		~	.3	.3		s.	0	8	5	7.	. 1	•	6.	6.	4.		.2	~			_	-		-			Σ×		
	. 4 5	-			7.		0		3	2	6	-	1	6	3				0	~	.5	.4	4.		_	-	2		.2	2.	1.	.1						
	2 3							9		2	(3)	9		2	.1	-	7	4	4	3	.2 1.	4	8	1	1 1	9	2	9	2				2			2		
	-						-	-	.1	7	2	.7 1.		-4	.2 1	-	.3 1.	-	.5 2.	.4 1.	7	7 9	.7 2.	2	.3	0	.7 1.	2	3 1.		9.	. 2.	. 2 .		.2	Σ_{X^2}		
	٥	1	2	1	6	1	10	-		L		-		L				3				_		-	7	-			•							0		
Temp.	(F)	6/ 78	-	-	-	-	-	-	-	-	-	-	-	-													-		-	-	-	-	-	2/ 1	-	Element (X)	Rel. Hum.	
		7	7	7	7	0	ò	ò	9	9	5	in	30	5	ñ	48/	3	4	4	4	3	3	3	3	3	2	2	2	22	2	-		14		~	1		

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73-77

5 5 PSYCHROMETRIC SUMMA JAN 68

	Wet Bulb Dew Point	64)	14	in.	0	in	2	N.	-	1200									Total	720.0	20.02	4 46
TOTAL	et Bulb	1	2	7	-	2	-			1200										1		-
-	-	3	5	7	-	2	7			1200				+					≥ 93 F			-
OTAL	D.B./W.B. Dry Bulb	57)	5		1	2	_		-	1200				+	+			Mean No. of Hours with Temperature	≥ 80 F			
	231 D.E								-			+			1			rs with T		4.2		-
- 1			1									+		+	+			of Hou	≥73 F	2		-
-	. 28 29 . 30		1						1					-	1			Mean No.	≥ 67 F	12.0		
	- 24 25 - 26 27								1		+			+	+				F	0.	0.	-
			1												1				≤ 32 F	195.0	282	1
	. 22 23								1					+	+				2 0 F	1.8	1.8	-
N (F)	- 20 21														1	•						-
WET BULB TEMPERATURE DEPRESSION (F)	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23									•		1		+				No. Obs.	1200	1200	1200	-
SATURE D	15 - 16 1																		+	9	0	
B TEMPER	13 - 14								1	0								σ×	906.9	3.146	2.180	A SE
WET BUL	11 - 12									4.									-	-		2 4 7
	01 - 6									3.												t
	7 . 8									4.								Z,X	0900	48621	4105	1000
	5 . 6									4.3									5	1	7	
	3 - 4									4.4									7101622	2111229	1843349	1.044.
	1.2	• 5	• 5							13.435.524.414.3								Σx^2	7101	217	184	16.0
	0		.2	•		.2				13.4												
Temp.	(F)		2	•		- 1		1		_								Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb	
Te		18	9	4	2/	6	12 +	*	8	TOTA								Elem	Rel.	Dry	We	

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Temp.						WET B	ULB TEM	PERATURE	WET BULB TEMPERATURE DEPRESSION (F)	(F)				TOTAL		TOTAL	
(F)	0	1 . 2	3.4	5 . 6	7 . 8 9	9 . 10 11 . 12	2 13 . 1	4 15 - 16	10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20	21 - 22	23 - 24 25 -	26 27 - 28 29	. 30 ≥ 31	D.B./W.B.	Dry Bulb V	Wet Bulb	Dew Point
9/4			.1											2	2		
2/6		-		2.								_	_	15	10		
5 /0			.2											9	9	2	
8 / 8		~		.2	-									60	00	1	-
56/ 55				.2	•1									*	4	•	*
4/ 5	-	-	.2											7	1	~	0
2/ 5			6											20	ထ	1	2
4 /0				2.	.2									12	12	'n	1
18		.2	.2											9	9	14	9
4		.2	-	.3										7	7	•	11
-		• 5		.3	.2	. 1								13	13	5	10
-	•	9.	8	9.										27	27	00	12
-					.2									24	54	31	19
38/ 37		2.4	1.3	9.										58	28	45	21
19	-	÷		.3										88	65	75	4
14	3.0	4.8	2.1											119	119	111	80
12	~	5												137	137	141	85
10	_	'n		• 2					4					115	115	121	26
18	-	9												99	99	101	107
26/ 25	1.0	-	9.											40	49	20	56
13	7	*		7.										53	200	14	82
12	•		*											77	44	89	91
10	•	2.	.2											34	34	4.1	56
18	•	2.1	.2											37	37	36	43
-														54	54	31	04
15	•	1.7												27	27	31	47
	•													32	35	35	35
6	*	1.5													54	19	20
7 /8	•	5.3												32	35	28	56
	•														52	34	25
-	~	•												6	6	16	20
-	•													23	23	20	26
	1.2	.2												17	17	22	21
-	•													-	7	7	22
Element (X)		ΣX^2			Σx	×	σ×	×	No. Obs.			Mean No.	, of Hours with	ith Temperature	ure		
Rel. Hum.										40 F	± 32 F	≥ 67 F	≥73 F	≥ 80 F	≥ 93 F	1	Total
Dry Bulb																	
Wet Bulb																	
			1							The second lives and the second lives are as a second lives and the second lives are a se	-		-		-	-	-

PSYCHROMETRIC SUMMARY

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YEARS

																			HOURS (L.S.T.)	(L.S.T.)
Temp.							WET BL	JLB TEMF	ERATURE	WET BULB TEMPERATURE DEPRESSION (F)	(F)				1		TOTAL	TOTAL	TOTAL	
- 1	0	1.2	3.4	5.6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30	20 21 - 22	23 - 24 2	5 - 26 2	7 - 28 29		z 31 D.	B./W.B.	Dry Bulb	Wet Bulb	Wet Bulb Dew Point
4 /- 3	•																4	4	9	14
61-7																	3	2	•	16
6 - 18	•1																-	1	-	17
	.1																-1	7	-	0
12/-13																				5
14/-12														-		1				4
18/-17																				· ·
20/12					1									+		+				4
DTAL	23.8	23.854.416.7		4.2	6.													1240		1240
																7	1240		1240	
																+				
																+				
															-					
														+	+	+				
						-														
																+				
Element (X)		2x2			Σx		ı×	g,		No. Obs.				Mean No	Mean No. of Hours with Temperature	s with 1	Temperate	ure		
Rel. Hum.		8117207	207	6	99021		6.66	13.013	13	1240	±0.F	-	≤ 32 F	≥ 67 F	≥73 F	F	≥ 80 F	≥ 93 F		Total
Dry Bulb		1115005	000	6)	3888		27.3	12.352	25	1240	19.8	_	485.4							744.0
Wet Bulb		686	858	(4)	1880		25.7	11.721	21	1240	24.0	0 54.	545.4							744.0
Dew Point		661	160	2	6821		21.6	13.292	35	1240	67.2	2 612.6	9.0						-	744.0

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																			Q Q	PAGE 1
																			1	HOURS (L.S.T.)
Temp.				7 3	0 1	9	WET BULB TEMPERATURE DEPRESSION (F)	TEMPER	ATURE D	BULB TEMPERATURE DEPRESSION (F)	ON (F)	1 22 22	20 70	70 20 3	7 20 20	00	TOTAL	1	TOTAL	4
0	,			,		2	1		0	0	7 07 .	1		3	3	200	T	1	-	1 0
26 / 96									0	0	00	00	0				17.	2		
6/								0.			1.	0		0.	-	-	26			1
16 /26							0		7.	0.	0.	0		0	0.		'n	37		
8						0		7.	-		0.	0.	0			-	7			1
8 /						0.	~	2.	2.	2.	.1	0	0	0	_		13			
8 /					0.	.1		~		• 1		0	0.				122	-		1
-				0	-	2	7	2	2		-	0	0.	0			16,			
-			0.	7.	.2	.2	4.		.2	2		0.	0.				230	_		1
-			-:	.2	4.		.3	2.	· ·	2	0	0	0				303	303	1	0
			-	4.	.5	.3	.3		60	1.	0.	0				-	34		3	100
76/ 75	0			e.	*	4.	4	4.	~		0	0					40	604	_	100
-	0.	.2	2.			in.	.3		.2		0.				-		43	_	-	-
72/ 71	0.				10	5	4	N			0.						501		401	-
-				0.	0.		.3	2.		0.	0.		-		-	-	516	1	-	
-	. 1				4		.2	~		0	0						485			-
59 /99	-		۲.		.5	4.	.2	-:		0							520	520	575	
	en •			٥.	4.	4.	.2	7.		0							35			
62/ 61	• 3	•		1.	4.	m	.2	7.	·	0.							400		_	
	. 3	9.	•		4.		.2	7.	0								465			-
	• 5		9.		4.	.2	.2		0.						-	-	44	-	_	-
	.3		00	•	4.		.2	0.	0				-				461			-
2	.2	• 2		5.	4.		.1	0.							-		350	1	510	-
	• 2	9.			4.	.3	7	0									405			
3	.3			0.	•	.2	7.	0.									405	_	-	
48/ 47		•		9.	4.	-	0.										413			
	.2				•	-1.	0.										410	-	-	
64 / 43	• 2	. 7	00	'n		-	0.										361			
-	• 3		6.	s.	• 5	0.	0.										398		-	
9	.3	•	1.0	· .	• 1	0.											404		4.5	3
	**	1.2		9.	:												454	424	40	
6	9.	1.3	1.4		0.												539		2	
34/ 33			1:1		0												26	56	54	
	• 7	1.7	1.1		•												535		68	
Element (X)		Σ_{X^2}			Σx		×	σ×		No. Obs.					Mean No.	of Hours	with Temperature	rature		
Ref. Hum.												20 F	≥ 32	2 F	≥ 67 F	≥73 F	≥ 80	F 293	4	
Dry Bulb											-								-	
West Bulk						-			-		-		-	-					-	
200				,									-							

PAGE	
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73-77

GLENVIEW, ILLINDIS

0 1.2 3.4 5.6 7.8 9.10 11.2 13.4 15.10 7.18 19.20 21.22 23.24 22.9 0. 23) 08.00 0. 14.0 0. 14.1 13.1 13.1 13.1 13.1 13.1 13.1 13.	Temp.								WET B	JLB TE	MPERA	TURE	WET BULB TEMPERATURE DEPRESSION (F)	SION	F)								TOTAL		TOTAL	
27	(F)	0				7.	٥	- 10	11 - 12	13	14 15	91 - 1	17 - 18	19 - 2		22 23	- 24 2		27		30		.B./w.B.	Dry Bulb	Wet Bulb	Dew Point
27	1 2						-			_	-										-		431	431	585	547
25	1 2		2.	5	-						_	-					-			_			31.5	315	450	525
23	1 2				-		+			1	+				-	+	-			-	+	1	261	341	328	£ 3
10	, ,						_																2 10	3 4	200	-
1	9	*	7:1		•		-				-	1			-	-				-	+	1	522	522	213	420
119	7	.2		.2													_						193	193	242	419
117 . 2 . 7 . 1 13 . 1 . 2 13 . 2 . 5 . 0 13 . 2 . 1 13 . 2 . 1 13 . 2 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 13 . 3 . 1 14 . 0 . 0 15 . 0 . 0 16 . 0 . 0 17 . 1 . 0 18 . 0 . 0 19	1	.2		7.											-	_				_			146	146	206	324
113	18/ 17	.2		7.			-				-				-					-	-		137	137	134	252
113 . 2 . 5 . 0 . 0 . 100 . 100 . 117 . 11	1	.2		0			_										_					-	112	112	138	193
11 . 2 . 0 . 0 . 0 . 117 117 117 117 117 117 117 117 117 1	1	. 2	5	0			-				-					-	-			-	-		108	108	126	182
7 . 2 . 5 . 0 7 . 2 . 5 . 0 9 . 2 . 5 . 0 1 . 1 . 2 . 0 1 . 1 . 2 . 0 1 . 2 . 1 . 0 1 . 2 . 1 . 0 1 . 2 . 1 . 0 1 . 3 . 0 1 . 4 . 0 1 . 5 . 1 . 0 2 . 1 . 0 1 . 1 . 0 2 . 1 . 0 2 . 1 . 0 2 . 1 . 0 2 . 1 . 0 3 . 2 . 0 1 . 2 . 0 1 . 3 . 0 1 . 4 . 4 4 . 6 . 0 1 . 6	-	10					_													_			111	117	120	181
7 . 2 . 5 . 5 . 6 . 1 . 10 . 10 . 10 . 10 . 10 . 10 .			2	200		-	-	1		-	-	1			-	-				-	+	+	100	101	100	100
2 . 2 . 4 . 0 1 . 1 . 4 . 0 1 . 1 . 4 . 0 1 . 1 . 0 2 .			, 3												-						-				200	7
2 . 2 . 4 . 0		7.					-	1													-		101	101	46	152
3 .1 .3 .0	-	. 2	*	0.																			61	8	96	111
1 .1 .4 .0 .0		-		0.							-						-			_			200	34	68	107
- 1 .2 .1 .0		-																		-	-	-	72	72	49	102
- 3 -1 -2 - 5 -1 -0 - 7 -1 -0 - 9 -0 - 10 -0 - 11 -1 - 12 -12 - 13 -0 - 13 -0 - 15 -0 - 15 -0 - 15 -0 - 17 -1 - 10 -426-320-013-1 8.0 6.4 4.7 3.4 2.4 1.5 .8 .3 .1 .0 .0 14605 1605-4 122 1605-4	0/- 1	.2	-																		-		46	40	61	81
- 5 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1		-	.2																				30	39	41	51
-7 .1 .0 .1 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	-/		0.																				91	16	56	200
-11 .1 -12 .0 -13 .0 -14 .1 -15 .0 -15 .0 -17 .7 .7 .7 .719 .0 -17 .0 -18 .0 -19 .0 -19 .0 -19 .0 -10		7.	•																				12	12	13	50
-11 .1 -15 .0 -17 .0 -19 .0 -19 .0 -19 .0 -19 .0 -21 -22 -23 -24 -25 -27 -27 -28 .3 .1 .0 .0 46.05 146.05 146.05 146.05 146.05	8/- 9	•																					1	1	ක	20
-13 .0 -15 .0 -17 -19 -21 -23 -24 -25 -27 -29 -29 -29 -31 10.428.320.013.1 8.6 6.4 4.7 3.4 2.4 1.5 .8 .3 .1 .0 .0 14605	10/-11																						00	æ	0	30
-15 .0 -17 .0 -21 .0 -23 .1 .0 .0 .0 .0 .0 .0 -24 .25 .25 .25 .2 .1 .0 .0 .0 .0 .0 -25 .25 .25 .2 .2 .2 .3 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	7	0.																					m	m	•	33
-17 -19 -21 -23 -25 -27 -29 -21 -27 -29 -21 -27 -29 -21 -27 -29 -21 -27 -29 -21 -29 -21 -29 -21 -29 -21 -29 -29 -29 -29 -29 -29 -29 -29 -29 -29	14/-15	0.								-													4	5	*	20
-19 -23 -23 -24 -25 -27 -27 -29 -27 -29 -21 -27 -29 -31 -34 -31 -34 -31 -34 -31 -34 -37 -34 -37 -34 -34 -37 -34 -37 -34 -34 -37 -34 -34 -37 -34 -34 -34 -34 -34 -34 -34 -34 -34 -34	16/-17																									17
-21 -23 -25 -27 -29 -31							-			-	-										-	-		m		7
-25 -27 -29 -29 -29 -29 -29 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	20/-51																									1
-27 -29 -27 -29 -27 -29 -21 -29 -31 -29 -31 -32 -32 -31 -32 -31 -32 -31 -32 -31 -32 -31 -32 -31 -32 -31 -32 -31 -32 -31 -32 -32 -31 -32 -32 -31 -32 -33 -33 -33 -33 -33 -33 -33 -33 -33	22/-23						-				-										-					143
29 29 29 31 10.428.320.013.1 8.6 6.4 4.7 3.4 2.4 1.5 .8 .3 .1 .0 .0 .0 .14608 (x) $\frac{2x^2}{7911911}$ $\frac{x}{10.43223}$ $\frac{x}{71.4}$ $\frac{\sigma_x}{17.738}$ $\frac{No.0bs.}{14605}$ $\frac{14605}{5.07}$ $\frac{237}{5.27}$ $\frac{2737}{5.07}$ $\frac{28.9}{5.09}$ $\frac{28.8}{5.09}$ $\frac{28.42336.11085.4}{255.63107.4}$ $\frac{254.4}{585.6}$ $\frac{1.2}{91.2}$	57-167						-														-					2
10.428.320.013.1 8.6 6.4 4.7 3.4 2.4 1.5 .8 .3 .1 .0 .0 .0 .14608 14605 1460 14608	7-7				TOTAL MANAGEMENT AND ADDRESS OF THE PARTY OF																					או נית
(x) $2x^2$ $2x$ X	30/-31	10.4	8.3	0.0	3.1	00	-		4.7		+	-	100		-	m		0	1 .					4608		14605
2x² 2x²						-	+				-	+									-	-	509		4605	
79111911 1043223 71.4 17.738 14605 sor saze sore sage sere sere sere sere sage sere sage sage sage sage sage sage sage sag	Element (X)		2x2			NX X	+	1	l×	-	, x	1	No. O	38.	1	-	1		Med	o Z	of Hou	rs with	Tempera	ure		
43262669 733739 50.2 20.945 14608 82.71897.42284.81381.8 579.0 28.8 34799476 661598 45.3 18.185 14605 98.42338.11085.4 254.4 1.2 28.8 29055203 588595 40.3 19.111 14605 255.63107.4 585.6 91.2	Rei. Hum.		1116	1911		435	53	7		-	738		146	35	VI	9.0	13	2 F	19	4	273		≥ 80 F	_	-	Total
34799476 661598 45-3 18-185 14605 98-42338-11085-4 254-4 1.2 29055203 588595 40-3 19-111 14605 255-63107-4 585-6 91-2	Dry Bulb	7	326	699		337	36	50		20.	345		146	80	90	2.7	89	1.42	284	.8	381		29.0		-	8760.0
29055203 588595 40.3 19.111 14605 255.63107.4 585.6 91.2	Wet Bulb		1479	9410		615	96	45		8	185		146	5	6	4.8	33	7:5	085	5.	527		1.2	-	-	0.09
	Dew Point		306	5203	2	885	33	04	103	5	111		146	5	25	5.6	110	. 4	585	0	16	7.			8	8760.0

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14855 STATION

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DESERVATIONS

STATION	1	STATION NAME STATION NAME	31	CATION NAME			1.6			YEARS			1	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUI.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	S. D. TOTAL OBS	7	27.6	37.8 0.514 155	46.0	9.251	7.531	70.6 6.155	68.9 6.151	7.875	50.4 9.2451	39.3 13.154	26.2	19.364
60	S. D. TOTAL OBS	-	19.5 26.4 4.27012.6791 155 141	36.4	44.4	52.8 9.178	7.236	68.4	6.374	58.6 8.219	9.106	37.5	25.1 12.139	45.6 19.135
90	MEAN S. D. TOTAL OBS	18.3 25.7 14.56613.046 155 141	25.7 13.046 141	35.1 10.8671	43.7	53.5 9.021	63.5	5.464	66.0	8.533	9.084	36.2 13.033	24.5 12.360	19.472
60	S. D. TOTAL OBS	20.6	28.7	39.5 10.798	51.0 12.2921 150	61.5 10.955	7.909	77.3 6.711	74.4 5.893	7.984	54.0	39.6	26.2 12.172 155	50.9 21.582 1826
15	S. D. TOTAL OBS	25.5 33.5 12.88911.7041 155 141	33.5 11.704 141	43.7	3.838	65.0 12.336 155	8.926	7.384	7.023	69.6 8.6171	59.7	12.540	30.5 12.034 155	55.3 21.682 1826
12	S. D. TOTAL OBS	25.7 33.6 12.91312.1001 155 141	33.6 12.100 141	12.2591	55.2 4.223 150	65.2 11.563	75.9	7.506	78.8	9.2941	60.1	3.149	30.6	55.6 21.847 1826
1.8	S. D. TOTAL OBS	23.3 30.7 13.26911.8271 155 141	30.7	1.413	52.4 14.0381	61.8	9.172	79.4	75.9 6.886 155	8.151	9.764	42.1 12.863)	28.5 12.386 155	52.7 21.482 1826
12	S. D. TOTAL OBS	22.1 28.9 13.72811.861	28.9	39.4	48.3 12.496 150	56.7 9.995 155	7.830	73.5	71.5 6.205 155	62.7 7.541 150	9.457	40,0 12,679	27.1 12.231	19.942
ALL	S. D. TOTAL OBS	13.88312.504 1240 1128		39.7	49.5 13.456 1200	58.9 11.491 1240	9.641	75.2 8.455	72.6	63.8 9.3821 1200	53.6	13-147	27.3	50.2 20.945 14608

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14855	975	GLENVIEW, ILLINDIS	ILLIN	315			73-77	11						
STATION			12	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	19.6	25.6	35.1 9.7991 155	41.7	50.3 8.517	59.4	5.406	5.789	36.4 7.606 150	47.1 8.31312 155	36.6	24.9	17.959
60	S. D. TOTAL OBS	13.561	12.0461	34.1	40.8 0.468 150	8.730	58.6	5.423	63.5	55.3 8.218 150	45.9 8.638	15.5	11.764	18.033
90	S. D. TOTAL OBS	17.5 24.2 13.78012.40	24.2	33.0	40.6	50.1 8.606	59.9	5.038	5.769	54.7	8.668	34.5	23.5	18.436
60	MEAN S. D. TOTAL OBS	19.5	26.5	9.7711	0.324	54.1 8.925 155	63.0	5.174	5.018	7.364	7.925	37.0	11.757	18.704
12	S. D. TOTAL OBS	23.1 29.6 11.94910.018 155 141	29.6	38.3 9.7941 155	0.643	9.120	64.2	5.324	5.227	7.063	8.1311	1.338	28.0 11.228	47.8 17.846
2	S. D. TOTAL OBS	23.2 29 12.00510.	29.7	38.7 9.6631	46.5	8.635	6.550	5.252	5.237	39.8 7.034	51.6 8.343)	39.6 11.561	28.1	17.788
1.6	S. D. TOTAL OBS	21.5 2 12.64910	27.8 10.551	37.1 9.4811 155	45.0	83.6 8.678	62.7	5.314	5.358	58.4 6.671	8.340	38.2	26.6	18.060
12	S. D. TOTAL OBS	20.7 26.6 13.23611.007 155 141	26.6	36.2 9.51910	43.0 0.624 150	51.3 8.296 155	60.3	5.340	5.681	7.047	48.6 8.300)	37.0	25.6	17.886
ALL	S. D. TOTAL OBS	13.0581	26.8 111.295	36.0	43.6	52.5 8.973 1240	61.5	5.544	5.790	57.5	48.6 8.643	37,3	11.722	18.185

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION		STATION NAMES	5	TATION NAME						YEARS			1	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	AEAN S. D. TOTAL OBS	14.9 20.7 16.04213.398 159 141	20.7 13.398 141	30.7	36.5	9.694	7.437	6.085	62.4	53.3 8.713	9.200	32.5 14.029 150	21.3 13.037	19.220
60	S. D. TOTAL OBS	14.0 20.5 16.14413.600 154 141	20.5 13.600 141	30.0	36.5	46.2 9.731	7.376	5.951	6.1.6	9.297	43.2	32.1 13.793	20.8 13.312 155	39.8 19.315
90	S. D. TOTAL OBS	12.9 20.2 16.13913.9121 154 141	20.2	29.5 11.3631	36.9	9.670	7.009	5.624	61.5	52.6 9.227	42.4 9.473	31,5	13.442	39.7 19.676 1825
6	MEAN S. D. TOTAL OBS	14.5 21.3 14.65812.725 154 141	21.3	30.4	37.8	47.9	7.607	6.627	62.3	53.7 8.960 150	9.449	33.1 13.211	21.2	19.362
12	S. D. TOTAL OBS	16.4 22.1 14.01011.4501 155 141	22.1 11.450 141	30.9	37.8	48.0 10.818	8.161 150	61.8 7.228	62.0	52.9 9.2150	10.007	33.2 13.099 150	12.983	18.740
51	S. D. TOTAL OBS	16.3 22.0 14.39011.405 155 141	22.0 11.406	30.8 10.9321 155	37.3	47.5	8.687	6.989	61.8 6.884	52.6 8.8801 150	43.9	32.5	22.8 13.298 155	18.698
2	MEAN S. D. TOTAL OBS	15.8 21.5 14.90312.1401 155 141	21.5	30.7 10.8881	2.364	46.5	8.719 150	7.207	7.253	52.7 8.308)	44.2	32.7 13.456	13.520	18.892
12	S. D. TOTAL OBS	15.6 15.676 155	5.6 21.3 .67612.771 155 141	31.5	36.9	46.6 9.503 155	85.7	6.452	62.2	8.353 150	44.4	32,4 13.781 150	13.497	18.976
ALL	S. D. TOTAL OBS	15.1 21.2 15.26312.6831 1237 1128	21.2	30.6	37.1	47.0 10.197	7.922	62.1 6.540 1240	6.643	52.9 8.858 1200	9.6691	3.55	13.292	19.112

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RELATIVE HUMIDITY

GLENVIEW, ILLINOIS 14855

STATION

73-77

JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100.0	
4.66	
4.66	
100.0	
100.0	
100,0	-
100.0	-
100.0	-
6.65	-

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RELATIVE HUMIDITY

GLENVIEW, ILLINOIS 14855 STATION NAME

STATION

73-77

MONTH F 83

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(L.S.T.)			PERCENIA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
	%01	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
00	100.0	100.0	100.0	100.0	97.2	87.2	0.99	40.4	11,3	75.8	141
60	100.0	100.0	100.0	100.0	100.0	95.0	75.9	48.2	16.3	79.1	141
90	100.0	100.0	100.0	100.0	66.3	93.6	80.9	9.64	17.0	80.0	141
60	100.0	100.0	100.0	100.0	66.3	83.7	56.7	29.1	14.2	74.3	141
12	100.0	100.0	66.66	65.6	82.3	58.2	31.9	18.4	6.6	6.49	141
15	100.0	100.0	98.6	93.6	80.1	58.2	29.8	18.4	4.9	64.1	141
18	100.0	100.0	100.0	98.6	91.5	8.89	47.5	24.1	12,1	70.0	141
21	100.0	100.0	100.0	66.3	6.7.6	86.5	58.2	31.2	10.6	74.0	141
TOTALS	100.0	100.0	4.66	7.86	93.5	78.9	55.9	32.4	12.2	72.8	1128

MACA

RELATIVE HUMIDITY

GLENVIEW, ILLINDIS 14855

STATION

STATION NAME

73-77

MONTH MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	HUMIDITY	17,11	78.8	80.9	71.3	63.4	61.8	68.4	75.2		72.1
	%06	21,3	24.5	27.1	18,1	4.7	4.4	16.1	25.2		19.0
	%08	45.6	44.5	51.6	27.1	21.3	19.4	28.4	40.0		34.4
ATER THAN	%02	67.1	74.2	72.3	45.2	32.3	29.7	47.1	58.1		53.3
HUMIDITY GRE	%09	87.7	90.3	95.5	72.3	50.3	53.5	66.3	80.0		74.5
OF RELATIVE	20%	8.96	4.10	4.66	92.9	72.3	4.89	80.0	6.26		87.6
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	40%	98.1	4.66	100.0	4.66	0.16	83.2	92.9	98.1		95.3
PERCENTA	30%	4.66	100.0	100.0	100.0	4.16	96.8	58.7	4.66		0.66
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	03	90	60	12	15	80	1.2		ALS
n Liver		MAR									TOTALS

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RELATIVE HUMIDITY

GLENVIEW, ILLINDIS 14855

STATION

73-77

MONTH APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR 00 100.0 100.0 1 100.0 1 100.0 1 100.0 1 100.0 1 100.0 1 100.0 1 100.0 1 100.0 1 15 100.0 96.7 1 18 100.0 99.3	99.3 100.0 100.0 100.0 100.0 90.7	94.0	86.0 93.3 71.3	74.7	38.0	80%	%06	HUMIDITY	20.00
00 100.0 100.0 03 100.0 100.0 06 100.0 100.0 12 100.0 100.0 15 100.0 96.7 18 100.0 98.7	99.3 100.0 100.0 100.0 90.7 88.0	94.0	93.3	74.7	58.0				
100.0 100.0 100.0 100.0 100.0 100.0 100.0 96.7 100.0 98.7	100.0	97.3	93.3	86.0	47 2	33,3	15.3	71.8	150
100.0 100.0 100.0 100.0 100.0 96.7 100.0 98.7	100.0	90.7	93.3	86.0	•	38.7	21.3	75.8	150
100.0 100.0 1 100.0 100.0 1 100.0 96.7	90.7	77.3	71.3		72.0	49.3	24.7	78.7	150
100.0 100.0 100.0 96.7 100.0 99.3	90.7	77.3	54.7	51.3	34.0	18.0	8.0	63.0	150
100.0 98.7	88.0	-		40.7	22.7	14.7	4:7	56.2	150
100.0 98.7		71.3	56.7	39.3	24.0	14.0	8.0	55.5	150
100.0 99.3	91.3	30.0	0.40	44.7	34.0	20.7	7.3	53.5	150
	98.7	61.3	82.0	62.7	44.7	26.0	10.7	67.4	150
TOTALS 100.0 99.3	0,40	7 . 18	75.3	0	4 44	34.	3.63		

RELATIVE HUMIDITY

14855 GLENVIEW, ILLINOIS

STATION

STATION NAME

73-77

PERIOD

MAY MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

in l	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	PERCEN
40%	30% 40%	
7.86 0	100.0	
0.001 0	100.0	
0.001 0	100.0	
91.6	78.7	
5 78.7	91.6	
3 76.8	92.3	
81.9	94.2	
4 93.5	4.66	-
90.2	97.0	-

BULK

RELATIVE HUMIDITY

14855 GLENVIEW, ILLINDIS

STATION

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STATION NAME

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PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	150	150	150	150	150	150	150	150		1200
MEAN	HUMIDITY	76.5	82.6	81.6	63.6	55.8	54.6	58.3	69.2		67.8
	%06	17,3	24.0	24.0	0.0	4:7	5,3	5,3	12.0		12.3
	%08	41.3	60.7	54.7	16.7	12.7	13.3	15,3	29.3		30.5
ATER THAN	20%	63.3	81.3	81.3	30.7	21.3	20.7	26.0	0.84		46.0
HUMIDITY GRE	%09	86.0	95.3	1.96	54.7	35,3	32.7	47.3	0.99		64.3
OF RELATIVE	%05	1.96	100.0	100.0	78.7	56.7	50.7	0.09	84.0		78.4
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	40%	100.0	100.0	100.0	93.3	78.7	72.0	78.0	95,3		7.68
PERCENTA	30%	100.0	100.0	100.0	100.0	0.96	95.3	7.96	100.0		98.5
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	60	90	60	12	15	37	12		ALS
TINON	E ZO	NO.									TOTALS

RELATIVE HUMIDITY

GLENVIEW, ILLINOIS 14855

STATION

STATION NAME

73-77

HONTH JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	159	155	155	155	155	155		1240
MEAN	HUMIDITY	76.1	80.2	81.0	62.7	53.2	51.5	56.5	69.1		66.3
	%06	10,3	14.8	14.8	3.2		1.9	1,3	6.5		6.7
	%08	36.8	53.5	52.9	12.9	5.8	2.6	7.7	20.0		24.0
ATER THAN	%02	69.7	30.6	85.8	28.4	14.2	11.0	18.7	44.5		44.1
HUMIDITY GRE	%09	91.6	96.8	98.1	51.0	28.4	25.2	35.3	72.9		62.4
OF RELATIVE	20%	4.66	100.0	100.0	80.0	4.6.7	44.5	61.3	92.3		78.4
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	40%	100.0	100.0	100.0	4.10	80.6	75.5	85.2	9.06		92.3
PERCENTA	30%	100.0	100.0	100.0	100.0	98.7	98.1	7.86	100.0		4.66
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	60	90	60	12	15	18	2.1		ALS
TNON	E NOW	100									TOTALS

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RELATIVE HUMIDITY

GLENVIEW, TLLINDIS 14355

STATION

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MONTH AUG

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		PERCENTA	AGE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	NO. OF
%01	20%	30%	40%	20%	%09	%02	80%	%06	HUMIDITY	OBS.
100.0	100.0	100.0	100.0	4.66	96.8	83.2	52.9	14.2	80.5	155
100.0	100.0	100.0	100.0	4.66	4.66	6.26	67.1	23.52	84.0	155
100.0	100.0	100.0	100.0	100.0	100.0	91.6	77.4	35,9	86.1	155
0.001	100.0	100.0	7.86	6.26	4.80	36.1	19.4	5,8	67.3	155
100.0	100.0	100.0	92.3	4.89	36.1	19.4	10.3	3.2	58,3	155
100.0	100.0	4.66	91.6	65.2	39.4	20.6	4.8	3.2	58.0	155
100.0	100.0	7.66	93.5	61.3	52.3	31.0	16.1	4.5	63.4	155
100.0	100.0	100.0	100.0	98.1	83.9	56.1	32.3	7.1	73.4	155
100.0	100.0	6.66	97.0	88.1	72.0	53.8	35.5	11.8	71.4	1240

RELATIVE HUMIDITY

14855 GLENVIEW, ILLINGIS

STATION

STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

nINO#	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
TINOW.	(L.S.T.)	%01	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
435	00	100.0	100.0	100.0	100.0	6.7.6	0.06	7.07	0.44	14.0	17.6	150
	60	100.0	100.0	100.0	100.0	66.3	0.46	80.0	62.0	20,7	81.5	150
	90	100.0	100.0	100.0	100.0	100.0	7.96	86.0	72.0	29,3	84.5	150
	60	100.0	100.0	0.001	100.0	88.7	70.07	42.0	16.7	8,0	87.8	150
	12	100.0	100.0	48.7	84.7	58.7	35.3	21.3	8.7	4:3	57.4	150
	15	100.0	100.0	98,7	82.7	58.0	35.3	18.7	13.3	4:7	56.6	150
	201	100.0	100.0	100.0	0.46	76.7	55.3	33.3	18.7	4:7	63.9	150
	2.1	100.0	100.0	100.0	100.0	93.3	79.3	94.0	32.7	7.8	72.2	150
TOT	TOTALS	100.0	100.0	4.66	95.2	84.0	69.5	80.08	33.5	11.9	70,2	1200

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RELATIVE HUMIDITY

14855 GLENVIEW, ILLINDIS

STATION

STATION NAME

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PERIOD

DCT MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MON	(L.S.T.)	10%	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	088.
100	00	100.0	100.0	100.0	100.0	8.46	87.1	74.2	45.8	28.4	79.2	155
	60	100.0	100.0	100.0	100.0	98.1	95.5	90.08	59.4	33,5	83.2	155
	90	100.0	100.0	100.0	4.66	4.66	96.8	84.5	63.2	34.2	84.5	155
	60	100.0	100.0	100.0	98.7	92.3	72.3	47.1	25.8	13.5	71.0	155
	12	100.0	100.0	98.1	85.88	63.2	44.5	28.4	15.5	7:1	59.8	155
	15	100.0	100.0	96.8	81.9	59.4	41.3	25.8	16.8	3.	58.2	155
	18	100.0	100.0	4.66	93.5	77.4	0.09	43.9	27.1	12,3	67.3	155
	21	100.0	100.0	100.0	4.66	92.9	74.2	59.4	43.9	21.9	75.0	155
TOTALS	ALS	100.0	100.0	66.66	94.8	84.7	71.5	55.5	37.2	19.9	72.3	1240

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RELATIVE HUMIDITY

14855 GLENVIEW, ILLINDIS

STATION

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
MOM	(L.S.T.)	%01	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	088.
NON	00	100.0	100.0	100.0	0.86	94.7	86.0	69.3	20.0	21,3	17.8	150
	60	100.0	100.0	100.0	100.0	0.86	92.7	82.0	59.3	32.0	81.8	150
	90	100.0	100.0	100.0	100.0	98.0	4.7	85.3	65.3	36.0	83.7	150
	60	100.0	100.0	100.0	86.3	95.3	86.7	72.0	48.7	25,3	78.9	150
	12	100.0	100.0	66.66	92.7	82.7	59,3	41.3	26.0	10.0	4.99	150
	15	100.0	100.0	7.86	91.3	74.0	55.3	39.3	23.3	7.3	4.49	150
	18	100.0	86.66	48.7	98.3	88.0	73.3	55.3	33.3	13,3	71.4	150
	2.1	100.0	100.0	100.0	98.7	45.7	78.7	67.3	42.7	18.0	75.9	150
101	TOTALS	100.0	6.66	9.66	6.96	4.06	78.3	0.49	43.6	20.4	75.0	1200

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RELATIVE HUMIDITY

GLENVIEW, ILLINDIS 14855

STATION

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MONTH DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	088.	155	155	155	155	155	155	155	155		1240
MEAN	HUMIDITY	82.3	84.0	84.3	82.0	73.8	73.7	77.9	80.8		9.64
	%06	26,5	30,3	34.8	7.73	16.8	16.8	16.8	22,6		24.0
	%08	59.4	66.5	65.8	24.2	32.3	31.6	44.5	55.5		51.2
ATER THAN	%02	81.9	85.8	87.1	80.0	53.5	50.3	0.69	90.0		73.5
HUMIDITY GRE	%09	8.96	98.7	58.1	96.8	83.2	81.3	92.3	95.5		92.9
OF RELATIVE	20%	9.66	100.0	100.0	4.66	8.46	98.1	98.1	7.86		98.6
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	40%	100.0	100.0	100.0	100.0	100.0	98.7	100.0	100.0		8.99
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	*	100.0
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	60	90	60	12	15	95	2.1		ALS
HINCH	TINOW.	DEC									TOTALS

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RELATIVE HUMIDITY

GLENVIEW ILLINOIS 14855

STATION

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STATION NAME

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MONTH ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
~	10%	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
ALL	100.0	6.66	6.66	6.86	94.8	84.4	9.49	38.3	16.4	75.3	1237
	100.0	100.0	7.66	98.1	93.5	78.9	55.9	32.4	12.2	72.8	1128
	100.0	100.0	0.66	95.3	87.6	74.3	53.3	34.4	19.0	72.1	1240
	100.0	99.3	96.0	87.7	75.2	59.8	44.6	26.8	12,5	0.99	1200
	100.0	6.66	97.0	90.2	78.5	63.4	48.2	30.0	15.0	2.89	1240
	100.0	100.0	98.5	89.7	78.4	64.3	9.95	30.5	12,3	67.8	1200
	100.0	100.0	4.66	92.3	78.4	62.4	44.1	24.0	6.7	66.3	1240
	100.0	100.0	6.66	0.79	88.1	72.0	53.8	35.5	11.8	71.4	1240
	100.0	100.0	7.66	9 8	84.0	69.5	80.08	33.5	11.9	70.2	1200
	100.0	100.0	66.3	8.46	84.7	711.5	\$5.5	37.2	6.61	72.3	1240
	100.0	6.66	9.66	6.96	4.06	78.3	0.49	43.6	20.4	75.0	1200
	100.0	100.0	100.0	8.66	98.6	92.9	73.5	51.2	24.0	79.9	1240
	100.0	6.66	0.66	7.46	86.0	72.7	54.6	34.8	15.2	71.4	14605

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WIND DIRECTION

14855 STATION

ALL HOURS L.S

		2000			- 1	A				1 8	11 1 4 85 LA
	OFFINAL STATION N	STATION NAME	AME		000	6147 200	1	136	-	MONTH	MONTH
				_	WIND DIRECTION	CTION					
TEMP.	N N N	NNE NE NE	ENE 8. E	ESE & SE	55E & 5	\$5W \$ \$W	wsw w w	WN W	CALM	TOTAL FREO.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
111 01 701											
102 TO 106											
97 TO 101											
92 10 96											
87 TO 91											
82 TO 86											
18 01 77											
72 10 76											
17 07 79											
62 TO 66											
57 TO 61				90.0					50.0	2	.2
52 TO 56			6.3	6.3	43.00	37.5	6.3			16	1.3
47 TO S1	5.3			5.3	10	97.9	10.5		5.3	19	1,5
42 TO 46	3.3		6.7	3.3	13.3	43.3	13.3		16.7	30	2.4
37 TO 41	5.0		6.3	13.8	12.5	20.0	27.5			80	
32 TO 36	3.9		10.7	7.3	11.2	24.8	22.8			206	
27 TO 31	12.1	2.3	6.3	4.0	13.2	17.8	31.6		5.5	174	14.0
22 TO 26	13.5		4.3	1.3	8° °	19.6	24.5			163	
17 10 21	13.7		1.6	1.6	8,1	21.0	27.4			124	
12 TO 16	19.7		2.6	6.	3.4	10.3	31.6			117	
7 70 11	17.4		6		2.6	10.4	27.8		-	115	
2 70 6	8.9	1.1			w.	8.9	48.9			90	7.3
-3 TO 1	4.6			1.6	1.5	12.5	42.2	25.0	7.8	99	5.2
-8 10-4							66.7	28.6		21	1.7
-13 TO -9							58.3	41.7		12	1.0
-18 TO-14							20.0	50.0		9	s.
-23 TO-19								100.0		7	7.
-28 10-24											
-33 10-29											
-38 TO -34											
-43 TO -39											
-48 TO-44											
53 TO 49											
-58 TO-54											
-59 & LWR											
TOTALS	10.6	2.0	4.4	\$4.) (1.)	en -	16.2	29.8	15.3	7.7	1240	1240 100.0

0-0-0-0-0-0-0-0-0-0-0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

GLENVIEW, ILLINOIS

16855 STATION

JAN 1973 - DEC 1977

FEBRUARY

ALL

TEMP.	3 Z Z 3	NN W	ω ω Σ ω •σ	ESE & SE	SSE & S	SSW 8 SW	wsw w &	WNW WN &	CALM	TOTAL FREG.	% OF TOTAL
122+											
17 10 121											
112 TO 116											
107 TO 111											
102 TO TO6										3.	
101 01 26											
92 10 96											
16 01 78											
82 TO 86											
77 TO 81											
72 10 76							100.0			7	7.
17 07 79											
62 TO 66						10.7	63			\$	S
57 TO 61	8.3				33	33.3	16.7	8.3		12	1.1
52 TO 56						33.3	28,6	6	*	21	6.7
47 TO 51	4.7		4.7	9.3		27.9	25.6		2.3	43	3.8
42 TO 46	5.2	5.5	7.00	1.3		35.1	15.6			11	6,8
37 TO 41	5.6		16.0	3.6		19.5	20.0	10.4		125	11.1
32 TO 36	10.9		14.2	2.00		13.8	21.5			247	21.9
27 TO 31	0.0		18.2	4.2		12.0	19.8	0.0	13.5	767	17.0
22 70 26	8.0	14.3	13.6	2.0		17.9	12.9		8.6	740	12.4
17 10 21	21.4		0	4.3		13.1	22.6	16.7		84	7.4
12 70 16	23.0	4.			2	13.9	13.9			72	4.9
10 11	14.0				CD .	10.5	17.5		7.0	5.1	5.1
2 10 6	10.3				3.6	6.9	37.9			58	2.6
-3 10 1	. o				2.6	27.8	11.1	38.9	11.1	7	1.6
-8 TO-4								100.0		3	
-13 TO -9									100.0	-	-
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 10-39											
-48 TO-44											
-53 TO-49											
-58 TO -54							-				
-59 & LWR											
TOTALS	10.4	- t	10.0	3.4	0.0	16.9	0	1 5 - 3		200	0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JAN 1973

GLENVIEW, ILLINOIS

14355 STATION

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1.9 2.1 22.0 100.0 1	TEMP.	NNN	NNE	ENE	ESE	SSE	SSW	wsw	www	CALM	TOTAL	% OF
1.00 1.00		z «s	& NE	3 8	& SE	8.5	& SW	% %	N N		FREO.	TOTAL
1.0 1.0	122+											
100.0 10	117 TO 121											
100.0 100.	112 TO 116											
100.0 100.	107 TO 111											
100 0 100	102 TO 106											
100.0 100.	101 07 76											
100.0 100.	92 TO 96											
190.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 11.9 12.1 34.0 37.7 9.4 3.8 53 10.5 12.2 13.7 10.6 2.1 6.3 10.8 11.8 10.8 11.8 17.8 10.8 11.8 11.8 11.8 11.8 11.8 11.8 11	16 01 78											
100,0 100,	82 TO 86											
100,0 10,0	77 TO 81						100.0				-	7.
2.1 34.0 46.7 33.3	72 10 76						100.0				9	5
1.9	17 07 79					20.0	46.7	33.3			15	1.2
3.8 1.9 13.2 34.0 37.7 9.4 3.8 53 79 3.8 3.8 13.2 13.2 13.9 24.1 15.2 10.1 6.3 79 3.7 7.2 7.4 11.1 14.8 8.3 21.3 16.7 8.3 10.2 10.8 10.2 10.1 10.8 10.2 10.1 10.8 10.2 10.1 10.8 10.2 10.1 10.8	62 TO 66				2.1	34.0	51.1	10.6			14	3.8
3.5 5.6 11.1 14.8 8.3 21.3 16.7 8.3 10.2 108 7.2 7.8 11.7 5.6 12.8 10.6 15.6 8.9 20.0 180 7.1 18.4 23.6 7.5 4.2 4.7 10.4 13.7 10.4 21.2 12.9 17.5 22.1 6.7 3.2 9.5 14.6 9.0 7.5 25.3 11.8 4.1 15.6 13.5 21.6 17.8 23.5 23.5 11.8 17 27.3 3.2 9.5 17.6 11.8 23.5 23.5 11.8 17 2.5 9.7 17.7 20.6 14.5 6.1 2.6 9.8 11.8 11.8 11.8 11.8 11.8 11.8 11.8	19 01 75				13.2	34.0	37.7	4.6			50	4.3
3.7 5.6 11.1 14.8 8.3 21.3 16.7 8.9 20.0 180 7.2 7.8 11.7 5.6 12.8 10.6 18.0 20.0 180 7.1 18.4 23.5 17.0 4.7 10.4 13.7 10.4 21.2 21.0 3.2 4.2 4.1 16.4 13.7 17.5 17.5 27.3 3.2 3.2 9.7 17.7 30.6 14.5 6.7 27.3 3.2 3.0 24.2 36.4 9.1 33 11.6 17.6 11.8 23.5 11.8 17 11.6 17.6 11.8 23.5 11.8 17 12.6 11.8 23.5 23.5 11.8 17 12.6 12.6 11.8 23.5 11.8 11.8 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6	52 10 56	3		6.3	20.3	13.9	24.1	15.2			19	
7.2 7.8 11.7 5.6 12.8 10.6 15.6 8.9 20.0 180 7.1 18.4 23.6 7.5 4.2 4.7 10.4 13.7 10.4 212 12.9 17.0 22.1 6.7 3.2 9.5 14.6 9.9 7.5 253 21.0 3.2 9.9 2.3 1.8 4.1 16.4 13.5 21.6 171 27.3 3.2 9.9 7.5 9.7 253 11.8 27.3 3.2 9.7 17.7 30.6 14.5 62 27.3 3.2 9.7 17.6 11.8 23.5 23.5 11.8 17 28.5 23.5 11.8 17.6 11.8 23.5 23.5 11.8 17 28.6 29.7 20.0 9.1 2.0 9.1 2.0 7.0 8.5 13.5 14.8 12.2 11.6 1240 1	47 TO 51	3.7		11.1	14.8	m m	21.3	16.7			108	69.7
7.1 18.4 23.6 7.5 4.2 4.7 10.4 13.7 10.4 212 9.5 17.0 22.1 6.7 3.2 9.5 14.6 9.9 7.5 253 12.9 17.5 5.2 9.7 14.5 29.5 11.6 171 27.9 3.2 9.7 17.7 30.6 14.5 62 27.3 3.2 9.7 17.7 30.6 14.5 62 11.8 27.3 2.5 11.8 23.5 23.5 11.8 17 2 11.8 23.5 23.5 11.8 17.6 11.8 23.5 23.5 11.8 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	42 TO 46	7.2		11.7	3.6	12.8	10.6	15.6			180	
9.5 17.0 22.1 6.7 3.2 9.5 14.6 9.9 7.5 253 12.9 17.5 9.9 2.3 1.6 4.1 16.4 13.5 21.6 171 27.3 3.2 9.7 17.7 30.6 14.5 62 27.3 11.8 27.5 23.5 11.8 17 11.8 23.5 23.5 11.8 17 12.9 17.6 11.8 23.5 23.5 11.8 17 12.0 11.8 23.5 23.5 11.8 17 13.0 12.0 13.0 7.0 8.5 13.5 14.6 12.2 11.6 1240 1	37 TO 41	7.1		23.6	1.31	4	4.7	10.4			212	
12.9 17.5 9.9 2.3 1.8 4.1 16.4 13.5 21.6 171 21.0 3.2 3.2 9.7 17.7 30.6 14.5 62 27.3 3.0 17.6 11.8 23.5 23.5 11.8 17 11.8 23.5 23.5 11.8 17 2	32 TO 36	9.5		22.1	6.7	3,2	3	14.6	6.6		253	
21.0 3.2 3.2 9.7 17.7 30.6 14.5 62 27.3 11.8 17 33 11.8 23.5 11.8 17 33 11.8 17 11.8 23.5 11.8 17 17.6 11.8 23.5 23.5 11.8 17 17.6 11.8 23.5 23.5 11.8 17 17.8 17.8 17.8 17.8 17.8 17.8 1	27 70 31	12.9		5.6	en ev	. a	4.1	16.4	13.5		171	-
27.3 6 11.8 6 11.8 17.6 11.8 23.5 11.9 10.0 0 11.8 23.5 11.9 10.0 0 10.0 0 10.	22 TO 26	21.0				60	7.0	17.7	30.6		95	5.0
11.8 17.6 11.8 23.5 23.5 11.8 11	17 TO 21	27.3				3.0		24.2	36.4		33	2.7
11 4 4 19 19 20 21 22 23 24 25 26 27 28 29 29 29 29 29 29 29 29 29 29	12 TO 16	11.00				17.6	1.	23.5	23,5		1.7	1.4
14 4 19 19 20 20 20 20 20 20 20 20 20 20	7 TO 11								100.0		•	. 2
84 8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	2 70 6											
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8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-8 TO-4											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-13 TO -9											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-18 TO-14											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-23 TO-19											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-28 TO-24											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-33 TO-29											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-38 TO-34											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-43 10-39											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-48 10-44											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	53 10-49											
8.5 10.9 13.0 7.0 8.5 13.5 14.8 12.2 11.6	-58 TO-54											
8.5 10.9 13.0 7.0 8.5 13.5 14.6 12.2 11.6	-59 & LWR											
	TOTALS	9		13.0	7.0	8.5	13.5	14.8	12.2		1240	100.0

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WIND DIRECTION

GLENVIEW, ILLINOIS

14955 STATION

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JAN 1973 - DEC 1977

					WIND DIRECTION	CTION					
TEMP.	≥ z z ≈	Z Z	Z w	ESE & SE	SSE S S	SSW & SW	W S W W	WNW W	CALM	TOTAL FREG.	% OF TOTAL
122 +											
17 10 121											
112 TO 116											
111 07 701											
102 TO 106											
97 TO 101											
92 TO 96											
16 01 78											
82 TO 86					10.5	42.1	36.8	5.3	5.3	1.9	1.6
18 01 77			4.2	12.5	16.7	50.0	16,7			24	
72 TO 76			4.7	2.3	2	46.5	16.3	2.3		43	
17 07 79	1.4		4.2	4.2	26.4	41.7	13.3		6.9	72	
62 TO 66	2.2		5.4	6.9	34.4	30.1	12.9	2.2	6.5	65	
57 TO 61	5.1		16.3	11.2	17.3	14.3	18.4	3.1	3.2	86	
52 TO 56	2.6		19.7	12.0	14.5	17.9	12.00	5.1	0.9	117	9.6
47 TO 51	3.6	~	14.3	12,1	4.6	6.7	11.5	4.2	13.9	165	
42 TO 46	8		19.8	00	9	2 1	13.5	5.7		192	
37 TO 41	16.6		1.8.5	2		4.	6.9	6.9		145	
32 TO 36	15.1		11.4	3.6	2.4	8.4	3.0	10.8		166	
27 TO 31	13.5				7		1.9	21.2		52	4.3
22 TO 26	9.1						9.1	54.5		=	6.
17 TO 21							66.7	33.3		3	3
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
-8 10-4											
-13 10 -9											
-18 10-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO -39											
-48 TO -44											
-53 10-49											
-58 TO-54											
-59 & LWR											
TOTALS	7.5	17.3	13.2	7.1	6.01	13.2	11.5	9.9	12.8	1200	1200 100.0

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WIND DIRECTION

GLENVIEW, ILLINOIS

14855 STATION

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					WIND DIRECTION	CTION					
TEMP.	N Z	N N N	S SE	ESE & SE	\$5E	SSW SSW	wsw % %	N N N	CALM	TOTAL FREG.	% OF TOTAL
122+											
17 10 121											
112 TO 116											
111 07 701											
102 TO 106											
97 TO 101											
92 10 96					100.0					-	. 1
16 01 78			10	10.5	21.1	4.7.4	15.8			19	1.5
82 TO 86			6.7	13.3	6.7	36.7	23.3	13.3		30	
77 70 81		7.7	7.7	7.7	15.4	13.5	34.5	7.7	5.8	52	4.2
72 TO 76		3.6	13.7	7.9	4.5	24.7	32.6	5.6	3.4	68	
17 07 79	ct	6.3	11.9	9.3	12.7	24.6	19.0	3.6	9.5	126	10,2
62 TO 66	2.0	10.6	17.2	3.3	11.3	13.2	22.5	7.9	11.9	151	
57 TO 61	5.3	17.0	21.4	7.8	10.2	6.7	10.2	2.9	14.6	206	
52 TO 56	5.7	19.9	20.9	9.9	4.3	7.1	10.4	7.6	17.5	211	17.0
47 TO 51	10.8	31.4	13.4	4.3		1.6	5.0	9.8	18.9	185	
42 TO 46	13.9	25.9	12.0	2.8	6	1.9	11.1	4.6	25.9	108	69
37 TO 41	17.0	24.5	11.3			5.7	7.5	9.6	24.5	53	4.3
32 TO 36	11.1		11,1				11,1	11.1	55.6	6	. 7
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 10 -9											
-18 10-14											
-23 TO-19											
-28 10-24											
-33 10-29											
-38 10-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	5.	10.9	10.5	0.0	0.8	11.3	15.0	9	14.3	1240	100.0

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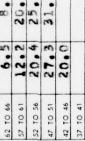
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TOTALS

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-43 TO -39

-48 TO-44 -53 TO -49

-18 TO-14

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GLENVIEW, ILLINOIS

14855 STATION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JAN 1973 - DEC 1977

GLENVIEW, ILLINDIS

14855

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TEMP.	× z z «	Z Z Z	as as	ESE & SE	SSE S S	SSW S SW	wsw w	WNW W	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						73.0		25.0		3	
92 TO 96	4.3		2.4		2.4	31.0	57.1	2.4		45	
87 TO 91	7.6	1.1	00	1.1	9 6	23.9	39.1	6.5	2.2	26	
82 TO 86	2.2	3.0	12.2	8.6	7.2	17.3	35,3	4.6	4.3	139	
77 TO 81	3.3	80	15.1	7.5	7.5	19.7	20.9	7.9	9.2	536	
72 TO 76	3.4	11.3	16.2	5.8	7.9	17.5	15.5	5.2	17.2	162	23.5
17 OT 78	11.7	15.8	12.1	3,8	7.5	6.9	12.5	3.8	26.7	240	19.4
62 TO 66	14.5	11.6	4.3		4 3	5.9	13.0	5.8	42.8	138	11.1
19 01 25	4.3	00	2.1		2.1	4.9	4.9	12.8	57.4	47	3.8
52 TO 56									100.0	2	9.
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
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-13 TO -9											
-18 TO-14											
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-33 TO-29											
-38 TO-34											
-43 TO -39											
-48 TO-44											
-53 TO-49											
-58 TO -54											
-59 & LWR											
TOTALS	.0	6.5	11.7	4.7	0.0	14.7	50.08	6.3	19.2	1240	100.0

WIND DIRECTION

GLENVIEW, ILLINDIS

14855 STATION

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TEMP.	MNN	NNE	EN E	ESE	SSE	SSW	wsw	WNW	CALM	TOTAL	% OF
	Z	& NE	8 6	& SE	8.5	& SW	× ×	× ×		rkeo.	TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 10 101							100.0			7	1
92 TO 96					60	66.7	25.0			12	1.0
16 07 78	3.6		e		E7.	45.5	34.5	5.5	3.6	55	
82 TO 86	2.0		3.0	0.4	13.0	38.0	32.0	7.0	0.1	100	
77 TO 81	5	3.5		4.2	13.4	31.5	17.6	0.9	9.3	216	17.4
72 TO 76	5.7	12.0		5.3	12.4	16.3	11.7	2.8	18.4	283	22.8
67 TO 71	80	14.1		2	6	11.6	9.2	5.6	21.1	284	22.9
62 TO 66	12.2	11.6		1.6	*	6.9	7.4	20	41.8	189	15.2
57 TO 61	23.1	1.3	2.6	1.3		7.7	7.7	4.9	50.0	76	6.3
52 TO 56	4.3						4.5	18.2	72.7	22	7.8
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 10 31											
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-18 TO-14											
-23 TO-19											
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-38 10-34											
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TOTALS	7.0	*	10.6	4.5	4.6	1.0.1	14.0	E.	21.7		1240 100.0

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VS. WIND DIRECTION

GLENVIEW, ILLINGIS

14855 STATION

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1913 - 050 1977	YEARS	

TEMP.	N Z Z Z	N N N	a w	ESE & SE	SSE	SSW S SW	wsw w %	× × ×	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 96											
16 01 78					30.8	38.5	30.8			13	1.1
82 TO 86			2.9		20.0	45.7	17.1	11.4	5.9	35	2.9
77 TO 81	1.5		4.4		26.5	36.8	26,5	4.4		68	
72 TO 76	4.1	6.4	0.6	4.1	21.3	21.3	17.2	9.6	8.2	122	-
17 07 79	6.6	11.4	11.9	4.0	13.0	13.9	14.9	7.4	10.4	202	
62 TO 66	7.5	15.4	15.0	7.5	4.9	10.1	9.7	5.2	23.2	267	
19 01 75	13.1	10.9	10.3	3.5	8 3	6.1	11.4	11.4	24.5	229	
52 TO 56	16.8	10.6	30.0		6.1	8.1	18,6	11.8	20.5	191	
47 TO 51	3.6		1.4		2.B	4.2	12.5	31.9	41.7	72	
42 TO 46	13.5						4.5	18.2	63.6	22	
37 TO 41								16.7	83,3	9	3.
32 TO 36							33,3		66.7	3	. 3
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 10-24											
-33 10-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS		0	6	4.2	11.5	10.1	- 5	C	6.0	1200	000

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE	

WIND DIRECTION

GLENVIEW, ILLINDIS

14855 STATION

JAN 1973 - DEC 1977

OCTOBER

% OF TOTAL

TOTAL FREQ.

CALM

× × × ×

WIND DIRECTION

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122+

101 01 76 92 10 96 87 10 91

102 TO 106

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52	47	42	37	32	27	22	

	6	12	13	œ	1		
The second secon	4.7	6.6	14.2	23.9	11.2	4.6	
00	19	95	51	94	41	36	
2	10 61	0	10 51	0	0	10	
	25	52 10 56	47	42 TO 46	37 TO 41	32 10 36	

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2.0	14.2	23.9	11.2	4.6	
26	51	46	41	36	31
52 10 56	47 TO 51	42 TO 46	37 TO 41	32 TO 36	27 TO 31
25	47	42	37	32	27

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67 10 71

62 TO 66

82 TO 86

77 TO 81

72 TO 76

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-18 TO-14 -23 TO-19

-38 10-34

-43 TO -39 -48 10-44

-33 TO-29

-28 10-24

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-58 TO-54 -59 & LWR

-53 10-49

NAVWEASERVCOM

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VS. WIND DIRECTION

NOVEMBER

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JAN 1973	

GLENVIEW, ILLINDIS

14855 STATION

TEMP.	NN N	N N N N N N N N N N N N N N N N N N N	ENE ENE	ESE & SE	\$5 E	SSW & SW	wsw w &	WNW WNW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
1210171											
112 TO 116											
111 01 701											
102 TO 106											
101 01 26											
92 TO 96											
16 01 78											
82 TO 86											
18 01 77											
72 10 76					37.5	50.0	12.5			9	. 7
17 07 79					16.7	41.7	25.0	69	8.3	12	1.0
62 TO 66	60			3.5	28.1	43.9	7.0		15.8	57	4.8
19 01 75	2.6		1.3	1.3		41.0	14.1	2.6	16.7	76	6.5
52 TO 56		-	-	2.4		31.5	15.3	3.2	12.9	124	10.3
47 TO S1	3.1					19.8	19.8	5.2	18.8	96	9,0
42 TO 46	9.7		60	3.4	12.4	15.2	23.4	0.6	12.4	145	12,1
37 TO 41	13.9			3.1		22.2	24.7	13.9	13.9	194	16.2
32 10 36	13.9		4.0			11.4	54.9	20.4		201	16.8
27 TO 31	17.6		2.8	2.1	6.4	2.8	26.5	27.5		142	11,8
22 TO 26	21.4				4.3	5.9	34.3	21.4		70	5,8
17 10 21	15.8				5.2		39.5	21.1	15.8	36	3.2
12 TO 16			en en				25.0	33.3	33,3	12	1.0
7 10 11							69.5	30.8		13	1.1
2 70 6							71.4	26.6		7	9.
-3 TO 1							100.0			3	. 3
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO -24											
-33 10-29											
-38 TO-34											
-43 TO -39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	10.1	3.7	3	2.5	10.6	10.2	24.0	13.8	13.5	1200	100.0

NAVWEASERVCOM

WIND DIRECTION

% OF TOTAL

ALL

DECEMBER

JAN 1973 - DEC 1977

CLENVIEW, ILLINOIS

14855 STATION

112 TO 116

17 10 121

TEMP. 122+ 101 01 76 95 10 96 16 01 78 82 TO 86 77 70 81

72 10 76 17 07 79 62 TO 66 57 TO 61 52 10 56 47 TO 51

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YEARS			

				WIND DIRECTION	CLION				
×××	NNE	ENE	ESE	SSE	SSW	wsw	WNW	N 40	TOTAL
z	& NE	3 & E	& SE	8.5	& SW	× ×	& NW		FREO.
		-							
					75.0	25.0			3
				23.5	70.6	9.6			1.1
				52	62.5	6.3	6.3		10
	8.4		33.3	9.3	80 (2)	4		9.5	77
6.5				35.5	35.5	_			31
3.9		7.0	4.6	16.4	25.		3.1	10.2	128
10.7	01		4.6	10.0	16.	15.4	4.9		280
3.1	4.4	× •	0.0	11.1		17.9	12.7		
12.8	,	6.4	1.2	5.8	18	23.8	10.5	14.0	172
8.9			1.1	10.0	12.2		20.0		
4.3				14.5	13.0		31.9		
7.1				8.6	n.	30.0	40.0		
4.01					4.2		45.8		
3.0						45.4	45.5		
						50.0	50.0		0
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NAVWEASERVCOM

1240 100.0

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-59 & LWR TOTALS

-58 TO-54 -53 10-49

27 TO 31

22 TO 26 17 10 21 12 TO 16 7 70 11

42 TO 46

-18 TO-14 -23 10-19 -28 TO-24 -33 TO-29 -38 TO-34 -43 TO -39 -48 10-44

-13 TO -9

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WIND DIRECTION

GLENVIEW, ILLINGIS

14855 STATION

JAN 1973 - DEC 1977

WIND DIRECTION

A No. A No		-	-	-	-			-	-			
11	TEMP.	NNW N &	NNE NE NE	ENE E	ESE & SE	SSE & S	SSW 8 SW	wsw & w	wnw wnw	CALM	TOTAL FREG.	% OF TOTAL
14 2 4 9 1 1 1 1 1 1 1 1 1	122+											
3.4	17 10 121											
3.4	112 TO 116											
3.4	111 07 701											
1.4 2.4 7.2 2.2 10.7 35.1 34.7 4.9 1.8 2.2 1.4 2.4 7.1 6.2 11.7 35.1 34.7 4.9 1.8 2.2 1.4 2.4 7.1 6.2 11.7 35.1 34.7 4.9 1.8 1.5 1.5 1.5 3.9 13.1 2.1 14.8 12.1 12.1 1.5 1.5 1.5 3.9 13.1 2.1 14.8 12.1 12.1 1.5 1.5 1.5 4.1 1.2 1.9 14.1 5.0 22.7 1333 1.5 1.5 1.5 4.1 1.5 1.5 14.8 1.5 1.5 1.3 1.5 1.5 1.5 4.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 4.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 4.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 4.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	102 TO 106											
3.4 2.4 7.2 6.9 37.9 46.3 1.7 5.6 46.3 1.7 46.3 1.7 46.3 1.7 46.3 1.7 4.9 1.4 2.4 7.2 10.7 35.0 30.7 6.9 1.8 22.9 1.8 2.5 1.2 1.4 2.4 7.2 1.2 1.2 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.4 2.4 1.5 1.	101 01 26						0.09	20.0	20.0		5	
4.9 4.9 4.9 2.2 10.7 35.1 34.7 4.9 1.8 225 1.4 2.4 7.1 6.2 10.9 30.0 30.5 8.9 8.0 1.8 2.1 1.4 2.0 1.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0 1.2 2.1 1.4 2.0	92 10 96	3.4		1.7		6.9	37.9	48.3	1.7		56	
1.4 2.4 7.1 6.2 11.9 30.0 30.5 8.3 2.1 420 13.7 5.9 13.6 26.0 22.5 6.0 6.7 10.5 10.	16 01 78	6.4		6.4	2.2	10.7	35.1	34.7	6.4		225	
1.7 5.5 12.3 5.9 13.6 26.0 22.5 6.0 6.7 751 3.7 8.9 13.1 4.9 13.1 2.14 16.8 4.9 12.7 1092 6.0 10.5 10.5 10.5 10.8 14.1 5.0 22.3 1133 7.2 12.6 10.9 5.2 10.1 14.9 13.4 7.5 18.3 1056 7.2 12.6 10.9 6.1 12.5 14.6 7.5 18.3 1056 7.3 12.6 10.9 6.1 12.5 14.6 7.6 10.2 7.4 12.5 12.6 4.2 7.4 12.5 14.6 7.6 10.3 7.5 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 7.5 12.6 8.2 7.4 13.5 17.4 10.7 11.6 1397 7.5 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 7.5 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 7.5 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 7.5 12.8 4.4 5.5 11.5 24.7 30.7 8.4 287 7.5 12.8 4.4 5.5 11.6 24.7 30.7 8.4 287 8.8 1.7 1.4 1.5 24.7 30.7 8.4 287 8.8 1.7 1.4 1.5 24.5 20.6 3.1 3.5 8.8 1.7 1.4 1.5 24.5 30.5 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.0 39.0 30.5 8.8 1.7 1.7 1.7 1.0 39.0 8.8 1.7 1.7 1.7 1.0 39.0 8.8 1.7 1.7 1.7 1.7 1.7 8.8 1.7 1.7 1.7 1.7 1.7 8.8 1.7 1.7 1.7 1.7 1.7 8.8 1.7 1.7 1.7 1.7 1.7 8.8 1.7 1.7 1.7 1.7 1.7 1.7 1.7 8.8 1.7	82 70 86	1.4		7.1	6.2	11.9	30.0	30.3	8.3	2.1	420	2
3.7 8.9 13.1 4.9 13.1 21.8 16.8 4.9 12.7 1092 6.0 10.5 10.6 7.2 13.8 17.1 14.0 4.8 16.1 1257 8.5 10.7 9.4 4.9 12.8 16.9 14.8 16.6 22.7 1133 8.5 10.7 9.4 4.9 12.8 16.8 12.4 6.1 22.7 1133 11.9 12.0 10.9 5.2 10.1 14.9 13.4 7.5 18.3 1056 11.9 12.0 11.0 5.4 12.8 14.0 10.8 14.0 10.8 14.0 10.8 12.0 10.	18 07 77	1.7	5.5	12.3	5.0	13.6	26.0	22.5	6.0	6.7	751	2
6.0 10.5 10.6 7.2 13.6 17.1 14.0 4.8 16.1 1257 8.2 8.9 9.2 4.1 12.6 16.9 14.1 5.0 22.7 1333 8.3 15.4 9.9 6.1 7.3 11.0 12.5 9.2 18.3 10.5 11.0 12.5 9.5 12.5 12.5 10.5 12.5 10.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12	72 70 76	3.7		13.1	4.9	13.1	21.6	16.8	6.4		1092	1
8.5 10.7 9.4 4.9 10.6 14.8 12.4 6.1 22.7 1333 8.3 12.6 10.9 9.2 4.1 12.8 12.4 6.1 22.2 1133 8.3 15.6 10.9 9.9 8.1 7.1 14.9 13.4 7.5 18.3 976 11.9 12.3 9.7 4.1 9.4 12.5 14.6 7.6 17.9 995 10.5 12.0 11.6 5.4 6.4 13.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 6.1 12.6 21.8 14.6 10.7 11.6 1397 12.6 8.2 7.9 3.7 6.1 12.9 30.6 19.4 9.1 372 12.8 .4 .4 .3 6.6 11.5 24.7 30.7 8.4 287 12.8 .4 .4 .4 .3 6.6 11.5 24.7 30.7 8.4 287 12.9 9.2 .6 .8 1.7 11.0 59.0 50.0 10.0 1 12.8 .4 .4 .4 .8 1.7 11.0 59.0 50.0 10.0 1 12.8 .4 .4 .8 1.7 11.0 59.0 50.0 10.0 1 12.8 .4 .4 .8 1.7 11.0 59.0 10.0 11.1 14 12.8 .4 .4 .8 1.7 11.0 59.0 10.0 11.1 14 12.8 .4 .4 .8 1.7 11.0 59.0 10.0 11.1 14 12.8 .4 .4 .8 1.7 11.0 59.0 10.0 11.1 14 12.8 .4 .8 1.7 11.0 59.0 10.0 10.0 11.1 14 12.8 .4 .8 1.7 11.0 11.0 11.0 11.0 11.0 11.0 11.0	17 07 78	0.9		10.6	7.2	3	17.1	14.0	4.8		1257	8
12.6 10.7 9.4 4.9 10.8 12.4 6.1 22.3 1133 13.2 12.6 10.9 9.2 10.1 14.9 13.4 7.5 18.3 1056 13.3 12.4 9.2 10.1 14.9 13.4 7.5 18.3 1056 13.4 12.5 12.6 9.2 14.6 17.6 17.9 12.6 12.0 11.6 6.2 7.4 13.5 17.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 6.7 10.4 21.2 14.0 15.2 13.7 6.3 6.0 1.9 7.5 12.9 30.6 19.4 9.1 372 13.7 6.3 6.0 1.9 7.5 12.9 30.7 8.4 258 13.7 6.3 6.0 1.9 7.5 12.9 30.7 8.4 258 13.7 6.8 6.6 1.9 6.5 1.9 6.5 14.6 1.5 1.5 1.5 1.5 15.6 1.6 1.7 11.0 29.0 32.2 15.7 6.8 6.9 1.7 11.0 29.0 15.8 1.8 1.8 1.8 15.8 1.8 1.8 1.8 16.8 6.9 6.9 6.9 17.8 1.8 1.8 18.8 18.1 1.8 18.9 18.1 18.9 18.1 18.9 18.1 18.9 18.1 18.0 1.8 18.1 1.8 18.1 1.8 18.2 1.8 18.3 1.8 18.3 1.8 18.3 1.8 18.4 1.8 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	62 TO 66	6.2		9.2	4.1	12.8	10.9	14.1	0.5		1333	6
7.2 12.6 10.9 9.2 10.1 14.9 13.4 7.5 18.3 1056 11.9 12.3 15.4 9.2 18.3 1056 9.8 12.3 17.9 13.5 17.9 19.5 10.5 12.1 12.6 4.5 7.4 13.4 10.7 11.6 10.9 12.6 12.1 12.6 4.2 7.4 13.5 17.4 10.7 11.6 10.9 12.6 12.1 12.6 4.2 7.4 13.5 17.4 10.7 11.6 13.7 13.7 1.6 1.9 7.5 12.9 30.6 17.9 13.7 15.6 1.6 1.3 1.6 21.2 14.0 15.2 14.0 15.2 14.0 15.2 14.0 15.2 14.0 15.2 14.0 15.2 14.0 15.2 14.0 15.2 15.2 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 <td< td=""><td>19 01 75</td><td>80</td><td></td><td>0.4</td><td>4.9</td><td>10.0</td><td>14.8</td><td>12.4</td><td>6.1</td><td>22.3</td><td>1133</td><td>7</td></td<>	19 01 75	80		0.4	4.9	10.0	14.8	12.4	6.1	22.3	1133	7
8.3 15.4 9.9 8.1 7.3 11.0 12.5 9.2 18.3 978 995 11.9 12.3 9.7 4.1 9.4 12.5 14.6 7.6 17.9 995 12.6 12.6 4.2 7.4 13.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 10.4 21.2 14.0 15.2 994 12.6 1.6 1.3 1.9 7.5 12.9 30.6 19.4 9.1 372 372 11.8 12.8 9.2 9.4 3.2 3.9 8.5 11.8 9.2 3.8 9.3 2.5 1.8 9.2 3.8 9.3 2.5 1.8 9.2 3.8 9.3 2.5 1.8 9.2 3.8 9.3 2.5 1.8 9.2 3.8 9.3 9.3 9	52 TO 56	7.2		10.9	5.5	10.1		13.4	7.5	18.3	1056	1
11.9 12.3 9.7 4.1 9.4 12.5 14.6 7.6 17.9 995 10.5 12.0 11.6 5.4 5.4 10.0 10.8 14.6 10.32 10.5 12.0 11.6 4.2 7.4 10.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 5.3 15.6 21.8 17.3 12.1 620 15.7 9.7 1.4 9.7 12.9 30.7 8.4 287 15.8 9.4 9.4 9.5 11.0 39.0 30.7 8.4 287 15.8 9.8 9.9 9.9 258 15.9 9.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 9.0 9.0 15.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 9.0 15.0 9.0 15.0 9.0 15.0 9.0 15.0 9.0 15.0 9	47 TO 51	8.3		6.6	8.1	7.3		12.5	9.2	18.3	978	9
9.6 12.0 11.6 5.4 6.4 13.4 16.0 10.8 14.6 1032 10.5 12.1 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 6.7 10.4 21.2 14.0 15.2 994 13.7 6.3 6.0 1.9 7.5 12.9 30.6 17.3 12.1 620 15.4 .4 .4 .4 .3 6.6 11.5 24.7 30.7 8.4 258 12.8 .4 .4 .4 .2 3.9 6.9 43.1 32.2 5.7 174 15.7 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	42 TO 46	11.9		0.7	4.1	4.6		14.6	7.6	17.9	666	
10.5 12.6 4.2 7.4 13.5 17.4 10.7 11.6 1397 12.6 8.2 7.9 3.7 6.7 10.4 21.2 14.0 15.2 994 13.7 6.3 6.0 1.9 5.3 15.6 17.3 12.1 620 15.7 0.7 1.4 0.3 6.6 11.5 24.7 30.7 8.4 287 15.8 0.4 0.4 3.9 8.5 27.9 36.8 9.3 258 15.9 0.4 0.4 3.9 8.5 27.9 36.8 9.3 258 15.0 0.4 0.4 3.9 8.5 27.9 36.8 15.0 0.4 0.4 0.5 11.0 39.0 30.2 15.0 0.4 0.4 0.5 15.8 18.2 10.0 14.7 14008 10	37 TO 41	9.6		11.6	5.4	6.4	13.4	16.0	10.8	14.6	1032	
12.6 8.2 7.9 3.7 6.7 10.4 21.2 14.0 15.2 994 13.7 6.3 6.0 1.9 7.5 12.9 30.6 19.4 9.1 372 15.6 1.6 1.3 1.9 7.5 12.9 30.6 19.4 9.1 372 15.7 1.4 3.9 8.5 27.9 36.8 9.3 258 15.8 4 8.9 8.5 27.9 36.8 9.3 258 15.8 6 8 1.7 11.0 39.0 32.2 8.5 118 2	32 TO 36	10.5		12.6	4.2	7.4	13.5	17.4	10.7	11.6	1397	
13.7 6.3 6.0 1.9 5.3 15.6 21.8 17.3 12.1 620 15.7 1 1.4 3 6.6 11.5 24.7 30.7 8.4 287 12.8 4 3 6.6 11.5 24.7 30.7 8.4 287 12.8 4 3 6.9 43.1 32.2 5.7 174 6.8 8 1.7 11.0 39.0 32.2 6.5 118 22.3 6.9 43.1 32.2 6.5 118 24.4 28.5 1.4 11.0 39.0 32.2 6.5 118 25.5 118 25.5 10.0 10.0 11 25.5 118 25	27 TO 31	12.6		7.9	3.7	6.7	10.4	21.2	14.0	15.2	566	
15.6 1.0 7.5 12.9 30.6 19.4 90.1 372 12.8 .4 .4 .3 6.6 11.5 24.7 30.7 8.4 287 12.8 .4 .4 .4 .3 6.9 43.1 32.2 5.7 174 2 .6 .8 1.7 11.0 39.0 32.2 5.7 118 -9 .9 .8 1.7 11.0 39.0 32.2 5.7 118 -10 .9 .9 .9 .9 .9 .9 .9 .1 .1 -10 .9 .9 .9 .9 .9 .9 .9 .1 .1 -10 .9 .9 .9 .9 .9 .9 .9 .1 .1 -10 .9 .9 .9 .9 .9 .9 .9 .1 .1 -10 .9 .9 .9 .9 .9 .9 .9 .9 .1 .1 -10 .9 .9 .9 .9 .9 .9 .9 .1 .1 -20 .9 .9 .9 .9 .9 <td< td=""><td>22 TO 26</td><td>13.7</td><td></td><td>0.0</td><td>1.9</td><td>5.3</td><td>15.6</td><td>21.8</td><td>17.3</td><td>12.1</td><td>620</td><td></td></td<>	22 TO 26	13.7		0.0	1.9	5.3	15.6	21.8	17.3	12.1	620	
6 15.7	17 10 21	15.6		1.3		7.3	12.9	30.6	19.4	9.1	372	
12.8	12 TO 16	15.7		1.4		9.9	11.5	24.7	30.7	8.4	287	
9.2 .6 .8 1.7 11.0 39.0 32.2 5.7 174 4	7 10 11	12.8		4.		3.0	6.3	27.9	36.8	9.3	258	-
6.8	2 70 6	9.2	9.			2.3	6.9	43.1	32.2	5.7	174	-
8.3 9.4 4.6 9.5 15.8 18.2 10.0 14.7 14608	-3 TO 1	8.6				1.7		39.0	32.2	80	118	
8.3 9.4 4.6 9.5 15.8 18.2 10.0 14.7 14608	-8 TO-4							56.3	40.6	3,1	35	
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	TOTALS	8.3		9.6	4.6	9.5	80.	18.2	10.0	14.7		100

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PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page Presented in this part are two tables giving the means, standard deviations, and total number of observations period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.

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DEVIATIONS STANDARD AND MEANS

IN INCHES HG FROM HOURLY DRSERVATIONS STATION PRESSURE

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MRS FROM HOURLY DBSERVATIONS

SLENVIEW, ILLINDIS 14955 STATION

73-77